The CHEMIST AND DRUGGIST

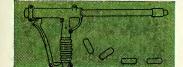
RETAILER -WHOLESALER — MANUFACTURER JANUARY 27, 1951



'PHENOVIS' Phenothiazine Tablets

are prepared specifically for dosing sheep, and form a very convenient alternative to a drench. With 'Phenovis' Tablets-which are best given by means of the balling gun-no preliminary preparations are necessary, and there is no staining

of the fleece.



'Phenovis' Multidose Balling Gun for the administration of 'Phenovis' Tablets.

'Phenovis' Tablets of 5 grammes, containers of 50 and 250.

Recommend 'Phenovis' with confidence to your farming customers.

Further information and literature, together with 'Phenovis' dosing tables, display cards, etc., available from I.C.I. Sales Offices—London, Bristol, Birmingham, Manchester, Glasgow, Edinburgh, Belfast and Dublin.

CHEMICAL IMPERIAL (PHARMACEUTICALS) A subsidiary company of Imperial Chemical Industries Limited

WILMSLOW, MANCHESTER Ph.119/3

Index to Advertisers pp. 5 8 6



BULK DRUGS * DISINFECTANTS
PACKED PHARMACEUTICALS
TOILET PREPARATIONS

FOR THE WINTER SEASON

COD-LIVER OIL

-plain or emulsified

COMPOUND SYRUP OF GLYCEROPHOSPHATES

COMPOUND SYRUP OF HYPOPHOSPHITES

EASTON'S SYRUP

EXTRACT OF MALT WITH COD-LIVER OIL

HALIBUT-LIVER OIL

-in bottles or capsules

NERVE TONIC ELIXIR

A reputation that is sound and enduring is more valuable than a passing success however spectacular and it cannot be built up in a day."

Such is WRIGHT'S guiding principle and for 80 years a policy of supplying only the finest pharmaceutical preparations at reasonable prices has been consistently maintained.

THE NAME
ALONE IS A
GUARANTEE
WRIGHTS

WRIGHT LAYMAN & UMNEY LTD

SOUTHWARK STREET, LONDON, S.E.I

APR 4021 (18 Name)

CHEMIST AND DRUGGIST

RETAILER — WHOLESALER — MANUFACTURER
JANUARY 27, 1951

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."
le copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

Vo	lume CLV	C	ONT	ENTS	No. 3701	
	A Pharmacist's Anthology		122	Overseas News	100	
	Births		104	Overseas Trade in 1950	123	
	Business Changes		102	P.A.T.A	107	
	Coming Events		105	Personalities	105	
	Correspondence		122	Pharmaceutical Problems of Too	lay 110	
	Deaths		104	Pharmaceutical Society of Northe	ern	
	Editorial Articles:—			Ireland:—Council Meeting	108	
	Course of the Influenza Epider			Print and Publicity		
	A Crisis in Containers		113	The New Minister of Health	109	
			114	THE TABLET AND THE CAPS		
	Examination Results		110		115	-1
	His First Prescription (Cartoon)			Capsules and Their Possibilit	ies 117	
	Information Wanted		112	Topical Reflections	101	1
	Irish News		99		128	
	Legal Reports		103		106	
	New Companies		102	Trade Report	124	
	News in Pictures		111	Veterinary Therapeutics	120	

NEWS OF THE WEEK

Paper Board Prices Increased.—Maxium prices of home-produced newsprint, echanical printings and kraft liner board e to be increased on January 29.

Penicillin Bill's Second Reading.—The ouse of Commons on January 23 gave a cond reading to the Penicillin (Merchant hips) Bill (see C. & D., 1950.II.571).

Paper Salvage.—As part of a campaign obtain 1,000,000 tons of waste paper 1951, the Waste Paper Recovery Assoation is appealing for co-operation from ade and professional associations and nambers of commerce in increasing comercial collections of used paper, etc.

Father's Day Scheme for Britain.—he Father's Day Association, a company mited by guarantee, has been formed for purpose of inaugurating in Great Britin a "Father's Day" each year to be sigalised by the giving of presents. In the Inited States and other countries the cuspm is already well established. Particurs may be obtained from the Association, 6 Mumford Court, Lawrence Lane, ondon, E.C.2.

Ministry Warns Against Over-doses.—The Ministry of Health issued the following warning to the public on January 17:—" Many medicines, including cough mixtures, contain drugs which may be dangerous if taken in larger quantities than those ordered by the doctor, and children have died after being given excessive doses. It is most important that the doctor's instructions should be carefully followed, and that no more than the prescribed dose should be taken and doses should not be repeated more often than directed."

C. & D. DIARY AND YEAR-BOOK, 1951

SUBSCRIBERS are reminded that, owing to the recent printing trade dispute, issue of the Diary is much delayed (see C. & D., December 30, 1950, p. 749). They are asked not to make inquiries, either by letter or by telephone, about delivery.

Ground Sulphur Price Increase.—Owing to increases in the world price of crude sulphur and in freight rates, the Board of Trade has made an Order, to come into effect on January 29, permiting an increase of £3 is. 6d. per ton on maximum prices of all grades of ground sulphur. Copies of the Order, the Ground Sulphur (Prices) (Amendment No. 4) Order, 1951 (S.I., 1951, No. 85), can be obtained, price 2d., from H.M. Stationery Office, York House, Kingsway, London, W.C.2.

Winter Illness Statistics.—During the week ended January 13 the number of deaths from influenza in the great towns of England and Wales was 890 against 458 in the previous week. Most of the deaths again occurred in the Tyneside and Merseyside areas, and 85 per cent. of deaths were of patients over fifty-five years of age. In the rest of the country there was a considerable incidence of winter illness, with a variable proportion of influenza.

Ministerial Changes. — The following Ministerial appointments were announced on January 18:—Mr. H. A. Marquand, Minister of Health; Mr. Aneurin Bevan, Minister of Labour and National Service; Mr. G. A. Isaacs, Minister of Pensions; Mr. Hugh Dalton, Minister of Local Government and Planning. It is the intention that at soon as possible certain functions (e.g., housing, planning and control of land, etc.) will be taken over by the Minister of Local Government and Planning, leaving the Ministry of Health responsible solely for the National Health Service and local authority health services.

"Unanswered Questions" Service.—The Department of Scientific and Industrial Research has inaugurated, in conjunction with the Royal Society Information Services Committee, a scheme for helping bodies that seek information from the Department on questions the answers to which cannot be located. A bulletin "Unanswered Questions," containing questions asked and answers found is being issued monthly to organisations, on request to the Department. Recipient organisations are invited to help the Department in supplying information. Questions should be sent to D.S.I.R. (Intelligence I), Charles House, 5 Regent Street, London, S.W.I.

Executive Councils Association.—The Management Committee of the Executive Councils Association (England) at its December 1950 meeting agreed to urge the

Minister of Health to establish minim standards of equipment for contract undertaking to supply trusses. The Comittee also decided to draw the attent of the Minister to the fact that any skilled person (subject only to a few mi conditions) had, at present, an unrestricting to have his name included in list of persons supplying prescribed apances. Attention was drawn to the that one large council had declared to per cent. of its chemists were be overpaid by approximately 44 per ceeven before the recent 5 per cent. advapayment on account was granted (C. & 1950.II.536).

Committee to Study Preservatives The Food Standards Committee of Ministry of Food has set up a subcom tee to review the Public Health (Prese tives, etc., in Food) Regulations and make any recommendations for the ame ment of the Regulations. The subcom tee will consider technical and scien data bearing on the use in foods of servatives, colouring matters, dyestuffs, anti-oxidants, anti-staling agents, a mould agents, stabilising and emulsif agents. The views of medical and techr associations will be invited on the ir pretation and limitations of the pre regulations. Persons or organisations to assist with information are invited write to the secretary of the subcommir Ministry of Food, Food Standards Labelling Division, 47 Portman Squ London, W.1.

LOCAL NEWS

Extra Rota Duty Request.—The Popridd, Glam, trades council are to sug to the Glamorgan Executive Council another pharmacy be open in the evento cope with the present rush of presetions. The decision followed complethat some people had to wait one eve for over an hour outside the only pharm open there.

Medicines for the Epidemic.—To with the rush of orders caused by recent influenza epidemic, staff at factory of Evans Medical Supplies, I Speke, Liverpool (which itself was pleted through illness by up to 25 cent.), worked on Saturday mornings put in overtime until 7.30 p.m. daily the height of the rush orders were b received at the rate of one month's not yolume in two days.

irector Hon-Retireed on ht. - A dinner given recently London by the rman and direcof H. & T. by & Co., Ltd., don, N.W.2 in our of Mr. H. E. M.P.S., sswell, has retired from managing direchip of the com-(C. & D., у. uary 20, p. 70).

Cresswell was sented with a television set from those had worked with him. (Illustration we shows group at head table).

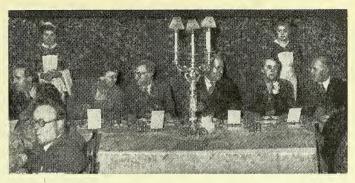
w Association's First Dinner.—About members of the newly-constituted th Devon Pharmaceutical Association inded its first dinner, held at Bideford January 10. They were received by chairman (Mr. L. D. Knight) and Mrs. ght. A programme of entertainment, which Mr. G. A. Coleby, M.P.S., pro-

IRISH NEWS

influenza in Ireland.—The widespread break of influenza in the Dublin area, I in most parts of Eire, has kept Irish mists working at high pressure on preption business. In many Dublin pharcies staffs were depleted by the epinic.

Examination Results. — Forty-two canates sat for the January Licence exination held by the Pharmaceutical Sory of Ireland. The following were sucsful: Passed with honours:—Mary T. leher and Patrick Fay; Passed:—Patrick Michael Guerin, Peter Paul O'Reilly, omas Duffy, Kathleen Murphy, Eamon Igers, Maire ni Ceocáin and Nicholas cCarthy. Mr. Robert Shore passed the ently-held Registered Druggist examision.

Gaelic Club's Annual Social. — The ublin) College of Pharmacy Gaelic letic Association Club and ladies' mogie Club are holding their annual ial for members and friends at the iss Chalet, Merrion Row, Dublin, at o p.m. on Shrove Tuesday (February 6). kets may be obtained from Miss C. ffney, O'Reilly's Pharmacy, Merrion



Row, Dublin, or from Mr. Peter Cryan, The Dublin Pharmacy, Fownes Street, Dublin.

Presentation to Directors.—To commemorate the 250th anniversary of Boileau & Boyd, Ltd., Dublin, the staff presented the directors with an ebony and silver shield at a ceremony in Dublin recently. The shield bore an inscribed centrepiece and (in silver) carboy, pestle and mortar, and unicorn emblems. Mr. T. Phelan (representing the laboratory and production staff) congratulated the directors on the company's notable achievement and spoke of the happy relations that existed between directors and staff. (Picture, p. 111).

SCOTTISH NEWS

Address on Hydro-electric Scheme.—Members of the Dundee and East Scottish Branch of the Pharmaceutical Society at their meeting held in Dundee on December 14, 1950 were addressed on "The Hydro-electric Development Scheme in Scotland" by Mr. P. Philip (area manager, north of Scotland Hydro-electric Board). The address was illustrated.

Edinburgh Golf Club.—A company of more than 300 attended the annual dance of Edinburgh Chemists' Golf Club held in Edinburgh on January 17. Mr. J. B. Grosset (captain) was host and Mrs. Grosset presented the prizes to the following whist winners:—Mrs. Grierson, Mrs. D. M. Ritchie, Mrs. Leishman and Mrs. N. G. Fleming; Messrs. J. A. Aitken, G. H. Spittal, and W. L. Mathison. The donors of prizes were thanked by Mr. W. E. Herd. Messrs. G. Adams and F. Grant represented the Glasgow Pharmacy Club's golf section. Tribute was paid to the organising committee and Mr. Bob Muir.

OVERSEAS NEWS

Syria-Lebanon's Output of C. Indica.— The area that is devoted to the cultivation of cannabis indica in Syria and the Lebanon has been increased from 13,000 hectares in 1948 to 32,000 hectares in the current year. This area is expected to yield a crop of over 700 tons.

Denmark Imports Photographic Material.—Import licences are being issued in Copenhagen for the importation of photographic materials from Britain, valued at 1.2 million crowns. The materials include film plates (valued at 500,000 crowns) photographic paper (400,000 crowns) and films (300,000 crowns).

German Chemical Industry.—The value of German exports of chemical products in 1950 is expected to total about \$200 million, against \$96 million in 1949. The proportion of chemical products in total West German exports in 1951 is estimated at 12-13 per cent. against 14.3 per cent. in 1938.

Pakistan Pharmaceutical Importers.—At the second annual general meeting of the Pharmaceutical Importers' Association in Karachi, Pakistan, in October 1950, officers were elected as follows:—President, Mr. L. A. H. Dickens; Vice-president, Mr. W. J. Joy; Secretary, Mr. M. P. Rustomjee; Treasurer, Mr. A. Arthur Watson.

German Production in India. — Byk-Guldenwerke, A.G., of Berlin, has concluded an agreement with Biva Co., Calcutta, for the manufacture of cardiac preparations in India. The agreement specifies that the organisation shall be controlled by Indians within ten years and that Indians shall be trained in German methods of production.

Antibiotic for Dysentery.—Dr. Hamilton H. Anderson (Dean of the Medical Faculty, American University in Beirut) announced at a medical symposium on tropical diseases of the Middle East, organised by the World, Health Organisation recently, the discovery of an antibiotic, fumigillin, which had been found to have potential value against amoebic dysentery. Experimental work on it was proceeding.

Illegal Sales in Canada.—Charges have been laid against fifteen Ottawa druggists as the start of a drive by the Canadian Department of National Health and Welfare to tighten up on the sale of medicinal products containing sulphonamides and penicillin. The druggists are alleged thave been selling sulphonamide ointmen and penicillin preparations over the courter without doctors' prescriptions. The prosecutions are believed to be in the nature of test cases.

A.C.T.H. in Burns. — A clinical se sion of the American Medical Association held in Ohio, recently, discussed the ca of a man (who attended the session) wh had had 71 per cent, of his body burne by blazing petroleum and had made a su cessful recovery after being treated wiregular doses of A.C.T.H. His physicia stated that his state of shock quickly su sided and after ninety-one days healing was complete and without the characteri tic crippling due to contraction of sc tissue or development of excessive gran lation tissue. Skin grafts were unusual successful and the possibility of using A.C.T.H. as a part of grafting techniq was being considered.

Chemistry Congress in U.S.A.-T. Royal Society announce that the twelf International Congress of Pure and Appli Chemistry is to be held in New You U.S.A., in September. It is to consist sixteen sections covering all aspects modern chemistry among which are the dealing with analytical chemistry; bl logical chemistry; fats, soaps and oth detergents; food and nutrition; medicir chemistry (including antimalarials, an biotics and steroids) and organic chemist (including dyes, essential oils, perfumes at photographic chemicals). The secretary the congress is Dr. Harry L. Fish National Research Council (of Americ 2101 Constitution Avenue, Washingto 25, D.C., U.S.A.

Chemical Microbiology Centre.—Withe consent of the Italian Government, t World Health Organisation has recognis the Istituto Superiore di Sanità, Rome, an international research centre for cher cal microbiology. The new centre will housed in recent extensions made to t building which contain research labor tories and all plant necessary for isolation an industrial scale antibiotics, enzym growth factors, etc. The pilot plant cludes fermenters of a capacity of 18,0 litres. The centre will be under the scie tific direction of Professor E. B. Cha (formerly on the staff of the Universi of Oxford).

TOPICAL REFLECTIONS

Revision of a Constitution

Members of the Pharmaceutical Society will be well advised to study the proposals for revision of the Society's constitution summarised on pp. 90-91 of last week's issue. It will be remembered that Part II of the report of the Committee of Inquiry set up by the Council in 1937 appeared in December 1941 (C. & D., 1941.II.337-44). The "Summary of Main Conclusions" of the section concerned with the position of the Society begins by stating that "the Society's general constitutional position is satisfactory" subject to a new interpretation of the words "those who carry on business as chemists and druggists." Much has happened since then, and in the intervening nine years it has been found expedient to overhaul the constitution. The process has been carried out so efficiently in the present draft that the praise accorded to the Society's secretaries and other officials in the report of December 1941 may with equal justice be applied to the document just published. Some of the conclusions in the summary referred to would need an Act of Parliament for their realisation; I still regret that the present time has not been thought suitable for the promotion of a Bill in either House. Short of this procedure, the compilers of the new set of proposals have gone about as far as they can in the direction desired. It therefore seems to me that this able piece of constitution-making will in the main emerge intact from whatever criticism it may meet. A few questions that can be asked about it will probably occur to some of the branch representatives who are to meet in May: so far as I can foresee, a comparatively brief meeting should suffice to give it collective approval.

Industry and Science

Since your issue of January 20 went to press, the Trueman Wood lecture of the Royal Society of Arts has been delivered by Lord McGowan, honorary president of Imperial Chemical Industries, Ltd. Reviewing the past hundred years of British industry, Lord McGowan expressed thoughts to which his great experience gave exceptional authority. There was no evidence, he said, that in equal conditions of work British people were less capable than American. The larger home market of the United States was not a decisive advantage. Britain's deficiency in the number of

persons practising applied science was the essential difference between the industrial forces of the two countries. Taking as the objective an increase of 5 per cent, per annum in our national productivity, a similar increase in the supply of personnel with the requisite training in applied science was essential. We should have to make a strong appeal to managements to absorb these new men as rapidly as possible. At this point the address touched on the familiar topic of the competing claims of "pure" research and research into technical problems. Will it ever be possible (except in a totalitarian country) to allot to industry a definite proportion of the newly qualified in science? I think not. perament will always be a determining factor. In any case the functions of a university and that of a technical college are distinct; and it would be a disaster if they were forced into the same mould.

Apprenticeship in the 'Nineties

The two articles on experiences of sixty years in pharmacy (pp. 85-87) have no doubt been read with much interest, especially by those whose memories go back to the nineteenth century. The most unusual feature recorded is, I think, that your Scottish contributor, Mr. David Black, served his apprenticeship in a shop where hot water was not obtainable. The next most uncommon circumstance is probably the extensive sale of opium and laudanum in Mr. J. K. Harvey's first situation. Lincolnshire was then reputed to be the county with the greatest average consumption of these two substances, the explanation being the prevalence of ague in marshland areas. Pharmacists in the parts of five counties adjoining Lincolnshire on the south side had, I believe, the same kind of trade though on a smaller scale, Hours of business were at that time shorter in Scotland, or at any rate in the Scottish town named, than in England, Mr. Harvey might, with luck, have discovered a chemist whose hours were not so long: the class of trade carried on was a factor in determining the times of opening and closing. His statement about rivalry between chemists in the same town can be amplified. I remember a town of medium size in which some of the owners of pharmacies did not even know each other by sight until an ambassador from the Proprietary Articles Trade Association arrived. Xrayser

NEW COMPANIES

Anglian Chemical Exporters, Ltd. (P.C.).—Capital £5,000. Enid R. Everard, Oliver S. Harper and Edward E. Baxter, directors. R.O.: 129 Hornchurch Road, Romford, Essex.

Seldon's Pharmacy, Ltd. (P.C.).— Capital £2,000. To carry on the business of wholesale or retail chemists, etc. William J. Samuel and John Innes, directors. R.O.: 14 Queen Street, London, E.C.4.

CITY MEDICAL HALL, LTD. (P.C.).—Registered in Belfast. Capital £3,000. To carry on the business of chemists, druggists, etc. Owen McKenna and John McKenna, directors. R.O.: English Street, Armagh.

J. Manger & Son, Ltd. (P.C.).—Capital £100. To carry in the business of chemists, druggists, drysalters, etc. First directors are not named. Solicitors: Clifford-Turner & Co., 11 Old Jewry, London, E.C.2.

JOHN DYER TRADING CORPORATION, LTD. (P.C.). — Registered in Edinburgh. Capital £1,000. To carry on the business of chemists and druggists, etc. John Dyer, R. Simpson and Daphnie D. Dyer, directors, R.O.: 307 West George Street, Glasgow, C.2.

Warren Sherman & Co., Ltd. (P.C.).—Capital £2,000. To carry on the business of manufacturing, wholesale and retail chemists and sundriesmen, druggists and opticians, etc. First directors are to be appointed. Betty Card, secretary. R.O.: 17 Conduit Street, London, W.1.

INDUSTRIAL WAXES, LTD. (P.C.).—Capital £5,000. To carry on the business of producers of and dealers in natural and synthetic waxes, gums, oils, chemicals and pharmaceutical substances, etc. First directors are not named. Reginald J. Martin, Secretary, R.O.: Alderman's House, Bishopsgate, London, E.C.

DIN-DIN, LTD.—Particulars filed pursuant to Section 407 of the Companies Act, 1948. Capital £5,000. Registered in Dublin. To carry on business as manufacturers and importers of and dealers in children's foods, pharmaceutical preparations, etc. British address: 5 Rampayne Street, London, S.W.I. Frederick Rolph, 200 Birchwood Road, Wilmington, Kent is authorised to accept service of process and notices. George Fasenfield, Robert F. Corran, Frederick Rolph, Ernest Ashby, Arthur Cox and Cormaç J. Morgan, directors.

BUSINESS CHANGES

The London office of Don. S. Momand, Ltd., has removed to 58 Albany Street, N.W.1 (telephone Euston 5184).

Dentesive, Ltd., have removed to 58 Albany Street, London, N.W.1 (telephone: Euston 5184).

WHITE LABORATORIES, LTD., are removing on February I to 428 Southcroft Road, London, S.W.16 (telephone: Streatham 7227).

BOOTS, LTD., are taking over the pharmacy of Mr. W. C. Roberts, 55 High Street, Stourport-on-Severn, Worcs, on January 30.

ARTHUR H. Cox & Co., Ltd., Brighton, have appointed Mr. Hugh Campbell, Glencoe, 2 Goff Avenue, Edinburgh, 7, to be their representative in Scotland.

Wallace, Cameron & Co., Ltd., is the new title adopted by Ultraplast (Sales), Ltd., 28 St. Enoch Square, Glasgow, C.1.

MISS LILY STEVENSON, M.P.S., daughter of the late Mr. L. Stevenson, M.P.S., is continuing the business at 585 Stoney Stanton Road, Coventry, of which he was the proprietor.

MR. B. P. HICKEY, M.P.S.I., has been appointed compounder of medicine for the South City No. 1 (South Earl Street), and Mr. David Murphy, M.P.S.I., for the Rathmines No. 2 (Harold's Cross), dispensary districts under the Dublin Board of Assistance.

'MR. C. P. NEEVE, M.P.S., has acquired from Mr. F. Martin, M.P.S., the business trading as F. & M. Martin, 321 Wells Road, Bristol, 4. All communications for Mr. Martin should be addressed c/o The National Provincial Bank, Ltd., Knowle Branch, Wells Road, Bristol, 4.

Parke, Davis & Co., Hounslow, Middlesex, have made the following appointments:—Mr. C. Beaven, Ph.C., A.R.I.C., to be manager, medical service department; Mr. J. A. Freeman, B.Pharm., B.Sc., Ph.C., F.R.I.C., to be assistant general manager, production and products development; Mr. J. D. Heywood, M.P.S., to be foreign sales manager; Mr. E. H. Lambert, M.P.S., M.S.M.A., to be assistant general manager, sales and promotion; Mr. G. E. Mann, M.P.S., to be home sales manager, and Dr. J. Stanley White, to be director of clinical investigation, European branch.

LEGAL REPORTS

Alleged Evasion of Purchase Tax .- At the London Sessions on January 18, Mervyn Wolford Bidwell, Elsham Road, West Kensington, London, pleaded not guilty on six counts of making use of false documents purporting to show that he held a purchase tax certificate, and nine fur-ther counts of purchasing a total of 794,160 hairnets from Permwell Wholesale Supplies, New Cross Road, London, S.E.14, and other goods from a second company without paying purchase tax. Counsel for the Customs and Excise said that Bidwell apparently was adopting the attitude that the purchases took place but he was an innocent party to the fraudulent device carried on by another. The first six charges related to letters which falsely set out that he was registered for purchase tax and entitled to buy from wholesalers without paying purchase tax. The remaining nine counts charged Bidwell with taking steps with a view to the fraudulent evasion of tax by a firm called British Amalgamated Agencies, 219A High Street, Kensington. That firm was registered in the name of Bidwell's wife and he was described as secretary and manager. For all practical purposes British Amalgamated Agencies was the accused in another name. In September 1947, Bidwell got in touch with Permwell Wholesale Supplies, saying he was in the export trade and held a purchase-tax certificate. From then on he was supplied with a large quantity of hairnets without purchase tax for which he paid in cash. In November 1947, on similar representations, he bought hairnets and other articles from the Interseas Trading Co. Bidwell had never been registered for purchase tax and had never had a number. The loss to the Revenue was £10,802. The matter came to the notice of the authorities in 1948, and a Customs officer went to seven different addresses, but Bidwell had vanished into thin air. He was run to earth in February 1949, nearly a year after the last transaction. When asked what had happened to the goods, Bidwell said he did not know except that he believed one lot had been ex-ported. The orders he had given to the wo firms amounted to £24,781, and the purchase tax due on them was £10,802. Bidwell, in evidence, said he was appointed ouying agent to the Industrial Development Association, and he was given permission to use their purchase-tax registraion number when making purchases for

export. He considered he was entitled to describe himself in letters as the holder of a certain purchase-tax number, and he had had no intention of deceiving any of the firms with which he had traded. He was sentenced to two years' imprisonment and a fine of £500 or an extra year's imprisonment in default.

Trade Mark Dispute Settled .- A trade mark dispute between Morny, Ltd., Wadsworth Road, Perivale, Middlesex, and Mr. Frederick Joseph Gurtner, Ger-y-Mor, Aberystwyth, secretary of Marly Laboratory, Ltd., was concluded before Mr. Justice Lloyd-Jacob in the Chancery Division, London, on January 17. The judge dismissed, with costs, both a motion by Morny, Ltd., that Mr. Gurtner should not be permitted to register the word "Marly" in the form of a signature as a trade mark for cosmetic and non-medicated toilet preparations, and an application by Mr. Gurtner for rectification of the register of trade marks by removal of two trade marks registered by Messrs, Morny. In the first motion, Morny, Ltd., contended that the way in which the name "Marly" was written would lead to confusion with their brand name "Morny." In his judgment, the judge said that "Marly" as written could be read as "Moritz" or "Monty," and there were those who might conceivably read it as "Morny." He thought, however, that there was no reasonable likelihood of any confusion or deception if the trade mark was fairly used. Dealing with the second application, he said that the first trade mark which Mr. Gurtner sought to have removed had been registered since 1910. It consisted of the word "Morny" with embellishments, and the second, applied for in 1948, was the word "Morny" alone. Mr. Gurtner alleged that the first mark had not been used for the statutory period, and that the second registration was obtained by fraud and untrue representations, but there was no evidence to support those allegations. The distinguishing feature of the trade marks was the name "Morny," which had been in regular and continuous use for a number of years. That constituted user of the the registered mark without any substantial alteration of its identity. He was also unable to hold that "Morny" was the name of a "company, individual or firm," within the meaning of the Trade Marks Act. Mr. Gurtner was ordered to pay the costs of interlocutory proceedings.

BIRTH

WRIGHT. — At Livingstone Hospital, Dartford, Kent, on November 23, 1950, Catherine Margaret (née Glennie), wife of Charles Lawson Wright, Ph.C., 22 James Road, Dartford, Kent, of a son (Charles Graham).

DEATHS

HEWITSON.—At Darlington Hospital, on September 27, 1950, Miss Winifred Hewitson, M.P.S., 2 Brunswick Place, Leeds, 2, aged forty-nine. Miss Hewitson was a representative for Boots, Ltd., in Leeds.

HOLMES.—On January 1, Mr. Alfred Holmes, M.P.S.N.I., Mr. Holmes was employed by Robert McQuitty, 105 Ravenhill Road, Belfast, where he collapsed suddenly and died before admission to hospital.

Jackson. — On January 9, Mr. Frederick Arthur Jackson, M.P.S., 71 Harpur Street, Bedford, aged sixty-one.

Jenkins.—On December 12, 1950, Mr. David Hyatt Jenkins, M.P.S., 173 Bute Street, Treherbert, Glam. Mr. Jenkins qualified in 1907.

JOHNSON.—On January 20, after a long illness, Mr. J. M. Johnson, M.P.S., F.C.S. (managing director of Blackwell, Hayes & Co., Ltd., Birmingham). Mr. Johnson qualified as a chemist and druggist in 1906.

Manning. — At his home, 274 Portobello Road, London, W.10, on January 15, Mr. Henry Reginald Manning, M.P.S., aged seventy-four. Mr. Manning had been in business as Horsley & Co., in Portobello Road, for nearly fifty years. The cremation was at the Kensal Green Crematorium, London, on January 17.

Marshall.—Recently, Mr. George Marshall, M.P.S., 21 Ashbrooke, Monkseaton, Northumberland. Mr. Marshall qualified in 1800.

MURPHY.—Recently, Mr. William Murphy, M.P.S.I., 12 Leinster Street, Dublin. Mr. Murphy was registered as a pharmaceutical chemist with the Pharmaceutical Society of Ireland in 1913.

ROMANSKA.—On January 6, suddenly, Mrs. Karoline Maria Romanska, M.P.S., 29 Stuart Road, London, W.3. Mrs. Romanska qualified in 1947.

SINCLAIR. — At Perth, on January 18, Mr. George Sinclair, M.P.S., 21 Bruce Road, Dundee. Mr. Sinclair, who was formerly with Frazer & Green, Ltd., Glasgow, qualified in 1894. The funeral service

was held at Dundee Crematorium January 22.

SMITH.—On January 15, Mr. Willia Thomas Smith, M.P.S., Sarum Hou Bembridge, Isle of Wight, aged sevent six. Mr. Smith trained at the Westmins College of Pharmacy and qualified 1903. After serving for a short time wi his father (the late Mr. W. Smith), w had a pharmacy in Ryde, Isle of Wigl he opened a business on his own accou in Bembridge, which he conducted un the date of his death. He took an acti interest in the business of the local Branof the Pharmaceutical Society, and w chairman for a number of years of t local Pharmaceutical Committee before t advent of the National Health Service. I had served in the first world war in t local defence corps, and in the 1939war as a special constable. In his young days he was keenly interested in swimming and sailing. He was a past-master of t Freemasons Chine Lodge No. 1884 and Past-Principal of Chine Chapter. He survived by his wife, his two sons and tv daughters: One son, Mr. Peter Smit M.P.S., has assisted him in the busine for many years. At the funeral the Is of Wight Branch of the Pharmaceutic Society was represented by Mr. Willia Ramage.

Spencer. — Recently, Professor Jam Frederick Spencer, M.A., Ph.D., D.F.G F.R.I.C., emeritus professor of chemist at London University, aged sixty-nine.

STEVENSON.—On January 17, Mr. Le nard Stevenson, M.P.S., 585 Stoney Staton Road, Coventry. Mr. Stevenson, wl was a life member of the Society, qualific in 1905. He was associated in busine with his daughter, Miss Lily Stevenso M.P.S.

Torr.—On December 14, 1950, M James William Torr, 10 Victor Road, He ton, Bradford, aged seventy. Mr. Torr w formerly in business at 26 Tyrrel Street Bradford.

WHITE.—On January 2, Mr. Geor Stewart White, M.P.S., 45 Ashton O Road, Ardwick, Manchester, 12, agu forty-eight.

WILLBOURNE.—Recetnly, from pne monia following bronchial influenza, M W. Willbourne, an East-London represe tative of Harker Stagg, Ltd., London, E. aged sixty-five. Mr. Willbourne had bewith the company for about thirty yea and a representative for ten.

PERSONALITIES

MR. H. E. CRESSWELL, M.P.S., who as retired (p. 99) from the managing directriship of H. & T. Kirby & Co., Ltd., ondon, N.W.2, was with the company or fifty-two years and remembers Dr. E. Kirby (who founded the business in 366). After serving "on the road" and side the factory Mr. Cresswell was pointed joint managing director in 1923,

MISS WINIFRED ATWELL, who broadcast an "In Town Tonight" programme of

suming full responsibility on the death

Mr. Herbert Kirby in 1937.



nough events have switched her interests so to the variety stage, she has by no eans renounced her concert work. Miss twell completed her musical studies "in ondon at the Royal Academy of Music. isteners to the broadcast programme eard an example of her piano playing.

MISS BLANCHE PATCH, who as the uthor of the recently published "Thirty ears with G.B.S.", took part in a broadast in the B.B.C.'s programme "In Town onight" on January 20, holds the certicate of dispensing of the Apothecaries Iall. Miss Patch commenced her training ith a doctor in Sussex and, having ained her certificate, worked as a disenser to doctors in Wales and elsewhere fore becoming secretary to Mr. George ernard Shaw.

MR. J. CARMICHAEL, C.M.G., D.Sc., I.R.C.V.S., Dip.Bact., whose address to meeting of the Pharmaceutical Society ecently is reported on p. 120, is in charge f the veterinary research division of May Baker, Ltd., Dagenham, Essex. He is a lember of the British Veterinary Codex committee and chairman of its action and ses subcommittee. In charge for many

years of the Government Veterinary Research Laboratories in Uganda, he retains his connection with tropical work as a member of the Colonial Advisory Council on Agriculture, Animal Health and Forestry, and of several advisory committees established under the administration of the Colonial Office.

COMING EVENTS

Monday, January 29

Merseyside Branch, National Association of Women Pharmacists, Red Cross Room, Common Hall, Hackins Hey, Liverpool, at 7.15 for 7.45 p.m. Annual meeting.

Tuesday, January 30

Mansfield Branch, Pharmaceutical Society, Coffee room, Swan Hotel, Mansfield, at 7.30 p.m. Mr. H. Steinman (a member of the Society's council) on "Some of the Problems We Face."

NATIONAL PACKAGING EXHIBITION, Olympia, Kensington, London, W.14. Open daily 10.30 a.m.-7 p.m. until February 9.

Wednesday, January 31

SCOTTISH DEPARTMENT, PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 36 York Place, Edinburgh, at 7.30 p.m. Mr. Mowbray Ritchie, D.Sc., Ph.D., F.R.S.E. (reader in chemistry, University of Edinburgh), on "Photosynthesis" (illustrated).

Bristol Branch, Pharmaceutical Society, the Berkeley, Queen's Road, Clifton, Bristol, at 7 for 7.30 p.m. Annual dinner and dance.

CORNISH BRANCH, PHARMAGEUTICAL SOCIETY, Carlyon Bay Hotel, St. Austell, Cornwall, at 7.15 for 7.45 p.m. Third annual dinner and dance, chief guest, Mr. A. A. Meldrum (president of the Pharmaceutical Society).

DUNDEE AND EAST SCOTTISH BRANCH, PHARMACEU-TICAL SOCIETY, Kidd's Rooms, Lindsay Street, Dundee, at 6.45 for 7 p.m. Whist drive, dinner and dance.

EASTBOURNE PHARMACISTS' ASSOCIATION and BRANCH, Cumberland Hotel, Grand Parade, Eastbourne, at 6.30 for 7 p.m. Annual dinner and dance.

LIMERICK CHEMISTS' SOCIAL COMMITTEE, Cruises Hotel, Limerick, Annual ball. Guest, Mr. T. C. Scott (president of the Pharmaceutical Society of Ireland).

Thursday, February 1

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND, Carlton Restaurant, Belfast. Jubilee dinner and dance.

ABERDARE AND MERTHYR BRANCH, PHARMACEUTICAL SOCIETY, New Inn. Pontypridd, Glam, at 7 p.m. Dinner and dance.

DURHAM COUNTY BRANCH, PHARMAGEUTICAL SO-CIETY, Pattinson's Dunelm Hotel, Old Elvet, Durham City, at 7.30 p.m. Mr. R. Cowan, M.P.S. (superintendent, North of England Pricing Bureau), on "Problems of a Pricing Office."

Friday, February 2

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION and BRANCH, A. J. Carpenter's Restaurant, 3 The Pavement, London, S.W.4, at 7.45 p.m. Address by Mr. H. Noble, B.Pharm., Ph.C.

TRADE NOTES

Bonus Offer.—For a limited period the cartons of twenty dragees of Siogen (for treatment of oral and throat infections) may be purchased on thirteen-to-the-dozen terms. The manufacturers are Pharmaceutical Laboratories Geigy, Ltd., National Buildings, Parsonage, Manchester, 3.

Fancy Goods Fair.—A wide range of toilet articles and other goods by about eighty exhibitors were shown at the second annual Harrogate Fancy Goods Fair, January 8-13. Culmak, Ltd., displayed a range of shaving brushes and (on view for



the first time) the Culmak drier in plastic material. designed to drain a shaving-brush (of any make) and equipped with a slot for disused safety-razor blades illustration). (see Halex, Ltd., showed Rondated nylon and bristle tooth-brushes and saw-cut combs (in transparent "bubble '' containers). hair brushes and a four-piece toilet

set for babies. Searchlight Products (Engineers), Ltd., showed a range of powder compacts, powder vanities and lipstick combinations. A.B. Products (Bradford) Ltd., were showing combs. Fulmen Engineering, Ltd., displayed lacquered compacts with powder-tight inner lid, and A. S. Brown (Manufacturing), Ltd., a range of 250 powder compacts.

Slug-killing Powder.—H. R. Napp, Ltd., 3 Clements Inn, London, W.C.2, sole concessionaires of Metaldehyde, are this year marketing the powdered product in metal containers sufficient to make 3 lb. slug-killer bait. Supplies are expected to be ready in March.

Addition to Range.—Ward, Blenkinsop & Co., Ltd., 6 Henrietta Place, London, W.1, have added to their range of paminosalicylic acid preparations cachets containing 1.5 gm. sodium p.a.s. in each. The cachets are issued in containers of 100 and 500.

A Relaxant from Khellin.—A purified and standardised presentation of khellin

(the active principle of Ammi visnaga) is now available under the name Benecardin from Benger Laboratories, Ltd., Holmes Chapel, Ches. The preparation causes relaxation of smooth muscle and is a powerful coronary dilator. It is presented in bottles of twenty and 100 25-mgm. tablets.

Colour-printed Paper Bags.—John Dickinson & Co., Ltd., Apsley Mills, Hemel Hempstead, Herts, have produced a range of colour-printed paper bags for chemists in standardised designs, incorporating a panel into which may be printed the name and address of the chemist. The size is 9½ x 5 in.; other sizes will be added to the range as conditions permit. The bags are supplied through normal paper-trade and wholesale channels.

Price Changes. — CHILTON ELECTRIC PRODUCTS, LTD., Hungerford, Berks, state that owing to continually rising costs, the price of the Buk shaver is being increased on February 1.—THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10, state that, owing to increased costs of raw materials, the prices for Neo-Ferrum (liquid and tablets) will be increased on February 1, but that they are making slight reductions in the prices of Neo-Ferrum (infants) and Neo-Ferrum intravenous ampoules.

"Photocopæia."—Produced as a companion to the Johnson Wellcome Year Book, the new Johnson Photocopæia, issued by Johnsons of Hendon, Ltd., Hendon Way, London, N.W.4, for sale by chemists and photographic dealers at 5s. per copy, includes other information sought by the amateur photographer in the darkroom or at home, but which, if included in the Year Book, would make an unwieldy volume. The first edition (others will follow "as and when the need arises") deals with many subjects including choice of equipment, development and printing, constituents of developers, etc., supplemented by tables of films and plates, development times and temperatures, etc. The red cover will identify it immediately from the Year Book, with which it is otherwise uniform in size and style. The publishers invite users to suggest new or improved material for inclusion in the future.

Progressive Treatment for Peptic Ulcer.

—In Ventralkia A, B and C the makers
Forsters (Pharmaceuticals), Ltd., Seaham,
co. Durham, offer a means of transition

from treatment of a peptic ulcer patient with (in A) phenobarbitone gr. 1, atropine sulphate, gr. 1/100 and gr. 10 of a neutralising base composed of aluminium and magnesium hydroxides and magnesium trisilicate, through treatment (in B) with atropine and the base, to treatment (in C) with the neutralising base alone, thus weaning patients from the phenobarbitone they may be otherwise reluctant to give up taking. Each formula is separately packed in containers of twenty-one tablets, so that when the chemist affixes a blank slip label the composition, etc., is obliterated. Ventralkia, which is on the Chemists Federation list, may be supplied to patients only on prescription. The packs are approved by the Customs and Excise authorities and are tax-free

Container Recovery Service. — On another page attention is drawn to the urgent need for greater return of wooden and fiberite containers to manufacturers. The scheme operated by Container Recovery Service has been many times mentioned in these columns, but some of the details



again call for emphasis. The containers dealt with in the scheme are clearly marked C.R.S. They are required to be handled carefully and kept till the van driver collects them, paying cash on the spot for containers accepted. Facilities for repairing fibreboard containers are no longer available. For that reason, when a container has outlived its usefulness the C.R.S. emblem is cancelled with a sticker marked "Non-returnable—Kindly hand to local salvage." (It is important to send such non-returnable containers for pulping to help maintain the supply of waste paper needed for the manufacture of new cartons). The collected containers are sorted out at one of sixty depôts and returned thence to the manufacturers themselves. Although C.R.S. is constantly engaged in publicising the scheme to traders, that is not an indication that profits are being made. The organisation is, in fact, non-profit making and purely temporary and will disappear when the need for it lapses. That need is at present at its most acute.

Proprietary Articles Trade Association

Additions to Protected List (Part 1). British Schering, Ltd., Vasano, new pack of four tablets (in original outer of twenty-four packs) 5s. 8d. doz., tax 33\frac{1}{3} per cent., inclusive retail price 10\frac{1}{2}d. Bonus of two

packs with each outer.

Forsters (Pharmaceuticals), Ltd., Dobagen non-staining gentian violet cream, 1-oz., 27s. doz., tax 33\frac{1}{3} per cent., i.r.p. 4s. 3d. Indanta tablets, 150-mgm., 50\frac{1}{3}s. 27s. doz., tax 33\frac{1}{3} per cent., i.r.p. 4s. 3d. Ventralkia tablets A, B and C (A Schedule 4, B part 1), 6os. doz. in tax-free dispensing packs only. Orders for 1 doz. of any line including Acorza liquidum, thirteen to doz. Three doz. of one line, fourteen to doz. Orders cannot be assorted for bonus. Ventralkia, A, B and C, can be assorted to make up bonus parcel. Unless specially directed otherwise bonus parcel is always sent in C.

Alterations to Protected List (Part 1). Allen & Hanburys, Ltd., Acriflex, 18s. doz., 2s. 3d.; (new size) 10s. doz., 1s. 3d. Bynol, 12-0z. jar, 24s. doz., 3s.; 24-0z. jar, 44s. doz., 5s. 6d. (all exempt).

fohn Bell, Hills & Lucas, Ltd., Parathal compound chocolate laxative, 4-oz., 12s. 7d. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 3d.; 8-oz., 2os. 3d. doz., tax 33\frac{1}{3} per

cent., i.r.p. 3s. 11d.

Elliman, Sons & Co., Ltd., Increased prices in Great Britain, January 29. Ellimans universal embrocation, 2½-oz., 13s. 9d. doz., tax 33⅓ per cent., i.r.p. 1s. 1od.; 10-oz., 4os. 6d. doz., tax 33⅓ per cent., i.r.p. 5s. 6d. Royal embrocation, 4-oz., 18s. doz., tax 33⅓ per cent., i.r.p. 2s. 6d.; 10-oz., 36s. doz., tax 33⅓ per cent., i.r.p. 5s.

7. C. Eno, Ltd., Caleno, 1-oz., 25s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 3s. 6d. C.P.10, antiphlogistic poultice, 2 in. x 2 in., 9s. 5d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 1s. 3d.; 4 in. x 3 in., 18s. 9d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. 2s. 6d.; 8 in. x 6 in., 26s. 3d. doz., tax $33\frac{1}{3}$ per cent., i.r.p. i.r.p.

3s. 6d.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

The January meeting of the council of the Pharmaceutical Society of Northern Ireland was held in Belfast on January 19, the president (Mr. H. W. Gamble) in the chair. Also present were Messrs. W. H. Boyd (vice-president), H. P. Crossin (treasurer), H. F. Moore, F. R. Moore, J.P., C. Abernethy, J. McGregor, Walter C. Tate and Professor E. B. C. Mayrs, M.D. Apologies were received from Messrs. J. Irwin, J. McDowell, S. E. Campbell, W. P. Ewart and P. R. W. Shinner. The Secretary (Mr. W. Gorman) reported that greetings had been received from the Pharmaceutical Societies of Ireland and Victoria, the Pharmaceutical Gouncil of Western Australia, the Medical Council of Rhodesia, and Dr. J. E. Driver, Hong Kong.

A letter was; received from the Ministry of Education in reply to an inquiry from the Council about financial assistance available to students coming to Belfast for their courses in pharmacy. The letters set out the conditions under which local education authorities could give awards for further education and stated that the pay-

ment of the extra fee required by the Belfast Corporation from students attending the Municipal College of Technologism outside the city was a matter for arrangement between the Belfast Education committee and other committees concerned. A letter was received from a charmist in Londonderry complaining of upprofessional conduct on the part of chamists giving twenty-four-hour service are not observing the usual local half-holidated in the service are not observing the usual local half-holidated in the service are not observing the usual local Chemists' Association and that the Council would support any steps which might be agree upon to effect an improvement.

Certificates of Apprenticeship wer granted to Miss M. T. Dunn, Mis M. P. A. Friel, Messrs. J. M. Martin, M. McKeown, S. J. McKay and W. Scott. I was decided to reappoint the Society's ex aminers for a further year. Mr. H. F. Moore, convenor of the social committees aid a large response had been received for the Society's jubilee dinner-dance to be held on February 1. The Minister of Health and Local Government, Dame Dehra Parker, had accepted an invitation

to be present.



GRADUATES WITH COUNCIL MEMBERS AT BELFAST.—Group photographed at the offices of the Pharmaceutical Society of Northern Ireland on January 19 after the president (Mr. H. W. Gamble) had presented certificates to candidates who had passed the recent qualifying examination. Front row: Messrs. H. F. Moore, C. Abernethy, H. P. Crossin (treasurer), the president (wearing badge), Messrs. J. McGregor and W. H. Boyd (vice-president); also in the group are Messrs. W. Gorman (secretary), J. G. Kennedy (winner of the first £25 scholarship awarded on the results of the Preliminary Scientific examination), and Miss E. M. Smith (winner of the gold medal for first place in the qualifying examination).

THE NEW MINISTER OF HEALTH

HE Rt. Hon. Hilary Adair Marquand, C., M.A., D.Sc., M.P., who replaced Mr. neurin Bevan on January 18 as Minister Health (see p. 98), has been a member the Government since 1945. When the



abour Party, of which he has been a number since 1920, came to power in that ear he was appointed Secretary for Overas Trade. In 1947 he relinquished that ffice to become Paymaster-General, and a ear later he was transferred to the Ministry of Pensions, at the head of which he mained until the present minor reshuffle f Ministers.

Mr. Marquand entered politics after achieving distinction first in the academic sphere and subsequently in the Civil Service. He was a State Scholar at University College, Cardiff, graduating with first-class honours in history in 1923 and firstclass honours in economics the following year. He gained his M.A. with distinction in 1928 and his D.Sc. in 1938. In 1925-26 he was Laura Spelman Rockefeller Fellow in Social Sciences in the United States, and from 1926 to 1930 he lectured in economics at the University of Birming-ham. His first book, "The Dynamics of ham. His first book, The Dynamics of Industrial Combination," was published in 1931, and his second, "Industrial Relations in the U.S.A.," after a second visit to that country while Professor of Industrial Relations, University of Wales, in 1932. During the University year 1938-39 Mr. Marquand held a post as Exchange Professor in the University of Wisconsin, U.S.A., where he gave lectures on British economic problems.

During the 1939-45 war Mr. Marquand became a temporary Civil Servant, being in turn an acting principal at the Board of Trade, deputy controller of the Wales division at the Ministry of Labour, and labour adviser to the Ministry of Pro-

duction.

In Parliament, Mr. Marquand first represented Cardiff East (1945-50). In 1950 he was returned for Middlesbrough.

"HARLEY STREET, JANUARY 18, 1951"

cartoonist's idea of ow one of the recent linisterial changes (see . 98) will be received y the medical proession.



Cartoon by Vicky of he News Chronicle, reproduced by courtesy of the proprietors.

PHARMACEUTICAL PROBLEMS OF TODAY

Mr. D. W. Hudson reviews the situation in an address to North London Pharmacis

NORTH London branches of the Pharmaceutical Society and National Pharmaceutical Union joined forces on January 10 to hear Mr. D. W.



Hudson (a member of the Pharmaceutical Society's Council and National Pharmaceutical Union Executive) give "A Southern Pharmacist's Outlook on Current Pharmaceutical Affairs." He believed, he said. that the Southern pharmacist's problems were in the main the

problems of pharmacists in all parts of the variations Minor certainly occurred from district to district and in the day-to-day conduct of a pharmacist's business, but the essential thing was for pharmacists to find and base their policy

upon what was common to all.

In the changes that had taken place in recent years too little allowance was made, he thought, for the normal progress due to scientific discovery, and for changes in the economic background. Out of those had resulted a decrease in the preparation of galenicals in the dispensary and a transference of that work to the manufactory, with consequent stabilising of price levels. Those factors would operate whether or not the National Health Service had come into being. Nevertheless the most obvious problems of the pharmacist arose from N.H.S. That had been responsible for a decline in counter sales and an increase in dispensed proprietary medicines. For many contractors it might have required a reorganisation of personnel.

Nationally, the professional problems of pharmacy were dealt with by the Pharmaceutical Society and administrative problems by the N.P.U. One of the most difficult problems before the Society's Council at present was the interpretation of the man-power report in the light of present and future requirements for maintaining a pharmaceutical service. Most pharmacists would say there was a shortage of qualified staff and many associated it with the education policy of the Council. That, how-

ever, was unjustified, since the schools pharmacy showed a record intake over the year. In solving the problem of the pharmacist in the Forces, advantage coul be taken of the new balance in nation: circumstances. The N.P.U. Executive wa occupied with the contract of service. A extensive survey of a wide variety of bus nesses was being conducted by the Unio in order to obtain an accurate basis for representations that would shortly be mad to the Whitley Council. One effect of th second report of the Cohen committee would be to leave an excess or a complet redundancy of many items of stock on th chemists' shelves. That, and the problem of the doctor's stock order remained to b solved. There was a risk that the proposal made to economise drug costs to the coun try might in fact increase them. Amon minor problems he personally had bee strenuously trying to obtain a payment fo handling gas cylinders.

EXAMINATION RESULTS

THE following candidates satisfied the ex aminers in the Pharmaceutical Chemis Qualifying examination held in January:-

Ashwin, Jean G. Barrow, Thomas A. Beck, John M. Britcher, Evelyn Y. Bradbury, Eric D. Campbell, William Chappell, Clifford P. Cohen, Doreen Corne, Seymour J. Cowley, Philip S. Datta, Saradindu Davies, Arthur E. Denton, Jean M. Dickinson, Marjorie Earles, Melvin P. Fowler, John R. Gellman, Marshall Goldstone, Neville Green, George F. Griffiths, James R. Gunn, Margaret A. E.

England and Wales Hall, Dorothy E. A. Hanbury, Peter F. G. Hipkin, Rhona E. Hurt, Edward D. Khan, Naeemullah Knifton, A'an Lever, Anthony D. Lewis, Graham P. Lo, Hung Pui Manning, Sidney Miller, Colin O. J. Morris, Peter L. Patel, Kantilal V. Payne, Frances M. Pearce, Freda M. Puttick, Harold W. Stanton, John C. Storton, Neville S. Walker, John West, John F. Wood, Elizabeth (Mrs.) Wright, William J.

Scotland Anderson, Patricia F. H. Hincks, Patricia M. Bowman-Jones, Ralph H. Jackson, Lester M. Creedy, Edward Darke, Trevor Elliott, George Macleod, Thomas M. MacRae, James Mistry, Kanji K. Scott, Hugh M. Glaister, Isabel F. Harris, John I. Sydney, Douglas Wa'ker, Isabella B. Hawkins, Adam B.

(Mrs.)

Whitlock, Frank B.



NEWS IN PICTURES



- 1. A group of children being initiated into the mysteries of photography at the Johnson-Kodak exhibit, Schoolboy's Own Exhibition, held in London in January.
- 2. Postage stamp with portrait of the Persian doctor and philosopher Ibn Sina (Avicenna), part of a recent issue by the Iran Government.
- 3. Mr. Donald W. P. Boyd (left) receiving from J. Phelan (right) a shield in commemoration of the 250th anniversary of Boileau & Boyd, Ltd. (see p. 99).
- 4. A group of representatives of Glaxo Laboratories, Ltd., comparing notes between sessions at a conference held at Greenford, January 15-19.







ANIS OIL AGAR AGAR ALOES CAPE and CURACAO **BELLADONNA LEAVES and ROOT** BERGAMOT OIL CAMPHOR, JAPANESE CHILLIES CINCHONA BARK DIGITALIS LANATA LIQUORICE ROOT and JUICE MENTHOL CRYSTALS **ORANGEPEEL** PEPPERMINT OIL SAGE LEAVES STROPHANTHUS SEED TONOUIN BEANS and all other crude Drugs, Essential Oils and Spices.

JOHN KELLYS (LONDON) LTD.

24 OLD BROAD STREET, LONDON, E.C.2 Telephone: LONdon Wall 4882, 6585, 6586 Telegrams: "Ergotine, Stock, London"

NEW YORK: Kellys America, Limited, 2 Broadway, New York, 4. Telegrams: "Ergotine" New York.







BURROUGH'S

No licence now required.

James Burrough Ltd., 1 Cale Distillery, London, S.

TRAGACANTH

SPECIALISTS IN B.P. POWDE SAMPLES AND PRICES ON REQUEST FREUDENTHEIL, SMITH & CO., 16 Philpot Lai London, E.C.3 MANsion House 1924 & 6600. Estd. 18

FENNINGS' PATA OVER 90 YE PREPARATIONS

ADVERTISED EVERYWHERE. READY SA
ALFRED FENNINGS, HORSHAM, SUSS

HEPVISC TABLET

Bottles of 50 and 250 tablets.
Dispensing Pack (tax free) contains 500.
THE ANGLO-FRENCH DRUG CO., LTD., LONDON, W.C

CAP NETS

Finest Quality, Hygienic Sterilized HUMAN HAIR, invisible, fits without Hair Pins, Perfect Shape

Supplied to Retailers and Wholesalers at PRICES WITHOUT COMPETITION

HAETAM LTD.

63 Corporation Street, Manchester, 4

RAMKIN BROTHERS & SONS

139 BERMONDSBY ST., LONDON, S.E.I

for DISPENSING

CORKS

OWNERS OF THE FINEST CORK FORESTS IN PORTUGAL

INFORMATION WANTED

The Editor would appreciate informatic about suppliers of the following item:

N.K.U. cream



RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859

irculates throughout the Pharmaceutical, hemical, Drug, Essential Oil, Perfumery, osmetic, Toilet Preparation and allied Trades throughout the World

fficial organ of The Pharmaceutical ociety of Ireland, The Pharmaceutical ociety of Northern Ireland, The Chemists' ad Druggists' Society of Ireland and of ther Chemists' Societies in the Empire.

OL. CLV JANUARY 27, 1951

No. 370

Lourse of the Influenza Epidemic HE current influenza epidemic has been certing severe pressure on the medical and pharmaceutical services of the couny—particularly, up to the present, in orthern England. The possibility of an creased incidence in influenza in the reainder of the country cannot be disputed.

The figures for influenza deaths, and for neumonia cases and deaths, which had en climbing steadily towards the end of 50, took a steep upward turn at the d of December, when the incidence of fluenza first reached epidemic proporons. In 126 great towns in England and ales, 102 influenza deaths were recorded the week ended December 30, 1950; 8 (and 770 pneumonia deaths) in the eek ended January 6, 1951, and 890 iring the week ended January 13. e 458 influenza deaths in the week to nuary 6, 339 were in the region north a line roughly from Crewe through effield to the Humber.

In areas where the epidemic was most tense, chemists dispensed many times e average seasonal number of prescripons—a task often made more difficult the depletion of their own dispensing affs. So soon as the seriousness of the sition was seen in Liverpool, the Pharaceutical Committee wisely sent a note to chemist-contractors asking them to example their rota hours as much as possible, dit was found necessary to work after ntract hours and on half-days—often by rangement with local doctors. Help was

organised mutually to overcome difficulties as they arose. Local drug houses (again with diminished staffs) worked overtime, and were successful in maintaining the supply of drugs, but the supply of bottles at times became a problem. Demands were largely for preparations to deal with bronchial conditions and included many prescriptions for antibiotics—among penicillin (particulary in the newer forms of presentation)—and chloramphenicol. To ease the strain on wholesalers' delivery services, many chemists fetched their own supplies. Reports indicate that the epidemic in Liverpool and Tyneside (where pharmaceutical problems were similar) is now waning. 10,000 more prescription forms were issued in Edinburgh in December 1950 than in the previous December. The Department of Health for Scotland has stated that the outbreak in Scotland is "by no means out of control," though it is not known whether the peak has been passed. Similar conditions are being experienced in Ireland.

A Crisis in Containers

Though most chemists in retail business would probably claim, if challenged on the point, that they were well aware of the present famine (so far as this country is concerned) of wood-pulp, the evidence goes to show that they have not fully related the shortage to the distribution of medicines. Yet the service of distribution which they provide to the public is gravely endangered at the moment by lack of containers—a result of the wood-pulp shortage.

During the 1939-45 war, the return of used containers reached a high level of organisation, but the need was then apparent to all. Even so recently as eighteen months ago 1,200,000 serviceable containers were returned every week to the manufacturers. Since a fiberite container is good for three trips at least, and a wooden case for twice that number, the system of re-use enables the country to make a year's supply of those containers last somewhere between three and six years. Unfortunately the figure of returns has dropped to only 600,000 in circumstances where the need is actually fast growing, not only because, on account of the production drive, manufacturers' deliveries and sales have increased throughout the country, but also because rearmament withdraws packaging materials in growing amounts from possible peace-time uses.

Machinery for collecting serviceable containers and returning them to the manufacturers is already in existence. One wellknown organisation devoted to that end has been operating since the early days of the war, and is subscribed to by many manufacturers well known in the trade. Despite widespread publicity, the number of returned containers has recently become, as stated above, far too small. The reasons are partly understandable. Everyone is tired of the war-time emphasis on "making do." Storage space is often limited, and containers are apt to take up room needed for goods or for the service of customers. Moreover, since containers to be returned must be in good condition, they have to be opened carefully, and that takes time, as does sorting them out for collection. But the facts remain. The shortage is acute, and the only remedy is in the hands of the individual chemist. Until the number of recovered, serviceable containers is increased to at least a million a week-made up, naturally, in twos and threes repeated up and down the country -there can be no security against a possible breakdown in distribution.

Exports in December 1950

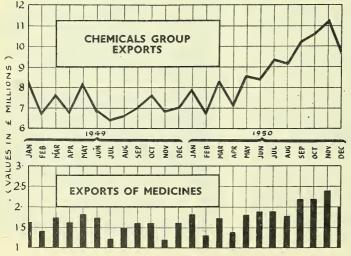
UNITED KINGDOM exports in the final month of the old year amounted to £188.9 millions. The figure was lower than for either of the preceding two months, the fall being attributed mainly to the incidence of the Christmas holiday. Lower values were recorded for all the principal groups of manufactured goods, including chemicals. Exports group, which includes chemicals, drugs, valued and colours, were £9,854,723, and were lower than in any Shipments of month since August 1950. chemicals, etc., to the United States were valued at £651,177, a total much less than the exceptional figure of November 1950.

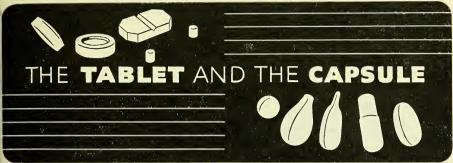
A similar drop occurred in exports of manufactured drugs and medicines, which in December were valued at £2,036,344. Shipments of quinine and its salts to overseas territories totalled £26,758; aspirin exports were valued at £57,322. of insulin products were well maintained at £37,266, while penicillin continued at a fairly steady level with a value of £250,306. Ointments and liniments were valued at £76,419, but proprietary medicines shipped were rather below totals of recent months, with a value of £412,341. Hong Kong was once again the chief market for medicines, taking supplies (including proprietaries) to a total value of

£273,182. Other important buyers included Australia (£171,798), a n d I n d i a (£119,767).

Mercury Prices

The spot quotation for mercury (see C. & D., January 20, p. 84) by the time subscribhad received week's last issue had risen £73 10s.-£74 per flask, [In the period January- November imports of 1949 mercury amounted 702,391 lb. valued at £149,611 -Corrected note.]





Compression and encapsulation are currently popular methods of presenting uniform doses of medicaments. In what circumstances is each the method of choice?

1.—ADVANTAGES OF TABLETS

By D. Stephenson, B.Sc., Ph.C.

THE tablet and the capsule as a form in which to present medicine have each the advantages over the draught or mixture of being more portable and convenient to handle, comparatively tasteless,

and in general more stable.

The first use of compressed tablets for the exhibition of medicinal substances was probably made about 1843 when William Brockedon took out a patent for "Improvements in the Manufacture of Pills and in Preparing or Treating Black Lead"—a technique of granulation and compression as a means of preparing "pills." In the succeeding century the popularity of that form of medicament increased to such an extent that now thousands of millions of compressed tablets are made annually in Britain alone.

First Standards

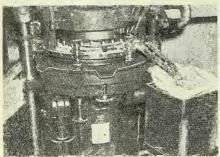
The first pharmacopæial standards for medicinal tablets were probably those included in the Swiss Pharmacopæia V, in 1934. The Seventh Addendum (1944) to the British Pharmacopæia, 1932, gave a general monograph on tablets and specific monographs for thirty-five tablets. The British Pharmacopæia, 1948, included forty-nine tablets but no capsules. In the British Pharmaceutical Codex, 1949, are a general monograph on capsules with ten individual monographs-nine for oily preparations—and a general monograph on tablets with eighty monographs for specific tablets not included in the B.P., 1948. The B.P.C. also includes a general monograph and fourteen individual monographs for solvellae or "solution tablets." The United States Pharmacopeia, XIV (1950), contains monographs for eighty-nine tablets and thirty monographs for capsules.

Capsules enjoy a wider popularity on the North American continent than in Great Britain. That may be due in part to the fact that U.S. manufacturers of equipment have developed machinery for large-scale manufacture of soft gelatin capsules and for making and filling hard gelatin capsules. Such machines are comparatively little used in Britain. However, compressed tablets are made and used in America in much larger numbers than capsules. Why should this be so? Firstly, compressed tablets have a wider range of usefulness than capsules. The range includes solution tablets for making applications for external use; sterile tablets for preparing injections, or for implantation; ophthalmic tablets to dissolve in the lachrymal fluid; tablets to dissolve slowly in the mouth or to be chewed for local action or for absorption of medicament through the buccal membranes; and effervescent tablets for preparing palatable draughts; and tablets for insertion into body cavities (e.g., pessaries or dental cones). For none of these purposes is the capsule, which has a gelatin envelope, at all suitable. Its use in medicine is almost entirely restricted to the oral administration of therapeutic agents.

Cost Considerations

Whilst the filling of non-aqueous liquids into ready-made soft gelatin capsules or the dispensing of unusual prescriptions for medicinal powders in ready-made hard gelatin capsules can be carried out in any dispensary, few dispensaries are provided

with facilities for making tablets. Owing to the more complicated machinery required for the mass production of capsules, tablets containing the same active ingredients are cheaper to produce in quantity, and wider stocks of them can therefore be held for a given capital outlay.



Rotary tablet machine in action.

Soft gelatin capsules have long been used for the oral administration of nonaqueous fluids and particularly for oily preparations. For that purpose they are obviously much more suitable than tablets, although small amounts of fixed and volatile oils can be satisfactorily incorporated into tablet granulations. The capsules of the B.P.C. are soft gelatin capsules. The general monograph recommends materials to be enclosed should be first dried, if they contain an appreciable amount of water, and then incorporated into a suitable vegetable oil, liquid paraffin, or soft paraffin before being filled into the capsules. Tablets on the other hand are normally prepared from solid materials, dried if necessary, and frequently contain a proportion of starch or other material which will cause them to break up when moistened. Well-made tablets will frequently disintegrate in a few seconds or at the most in a few minutes. That speed is not always necessary, but with analgesic substances, for example acid, acetylsal., taken for the prompt relief of pain, it is desirable that the active substances should be rapidly absorbed—a consequence that can be reasonably anticipated if a rapidly disintegrating tablet is taken. Such prompt action could not be expected if the active ingredients were incorporated into soft paraffin or a vegetable oil and encased in a gelatin membrane. Even if the powdered medicament were included in a hard gelatin capsule

an appreciable delay might be expecte before the ingredients were liberated in the stomach. In a recent experiment sor hard gelatin capsules containing gr. 5 powdered aspirin, and other hard ca sules of smaller size containing simil quantities of other powders were subm ted to the disintegration test normal applied to tablets (that is they were ke moving in water at 37° C.). The disi tegration times varied between 5 minut 15 seconds and 34 minutes 28 seconds, t smaller capsules having the longer disi tegration times. In disintegration tests ca ried out at about the same time using t same technique on a large series of ana gesic tablets no tablet required more th. four minutes for disintegration and t majority had completely disintegrated less than one minute. Other therapeu agents for which rapid action is requir include some of the newer antihistami drugs and certain of the barbiturates.

Tablets, particularly uncoated table can be readily broken up for administration to children or to those patients we cannot swallow any but the smallest so particles without discomfort. The breating of tablets, of course, perm fractional doses to be given. Many used tablets are made scored to assomer accurate division into halves or quaters. Such a convenience is not available to the patient taking capsules.

Accuracy of Dosage

The B.P., 1948, and the U.S.P., XI have set up standards for the avera weight of a drug in tablets, for uniform of weight in tablets, and for a disinteg tion test to be applied to all uncoated to lets. The B.P.C., 1949, requires all the 1 coated tablets in its formulary to comp The B.P. with the tests of the B.P. 1949, and the U.S.P., XIV, have stadards for the average weight of drug capsules but neither has any standards uniformity of weight or for disintegrat of capsules. The standards for uniform of weight in tablets in the B.P. can complied with without undue difficult The writer cannot claim to have any w experience of the variations of caps contents but would be very surprised the limits of weight variation would within the limit of ±5 per cent. for t lets weighing gr. 5 or more, ± 7.5 cent, for tablets weighing less than gr and more than gr. 2, or ±10 per cent. those weighing gr. 2 or less, required the Pharmacopœia.

Tablets may be coated or varnished to event the ingredients absorbing moisture , for example, tablets of cascara sagrada other tablets containing hygroscopic stances). Coatings are also used to prote the ingredients from oxidation (e.g., amin preparations), or to hide unplea-t flavours. Sugar coating is generally ferred and the average sugar-coated let is an attractive product, easy and asant to swallow. A good quality sugar ting will dissolve away from the tabin about five minutes in water at 37° C. Enteric coatings are frequently applied tablets to prevent the contents coming o contact with the acid secretion of the mach but to liberate those contents in alkaline fluid of the small intestine. h coatings are applied to tablets conhing substances which might irritate the mach lining or which might be expecto produce nausea and vomiting if rated in the stomach. The tablet ng rigid is, in the writer's opinion,

much more suited to the application of such coatings than the flexible capsule, particularly if the enteric coating is to be satisfactorily covered with a further coating of sugar. It is difficult to prepare an enteric coating which in all cases resists the action of the gastric juices but breaks up on entering the duodenum as the conditions in the human alimentary tract vary from time to time and from one subject to another. The most efficient enteric coating is probably one which resists the action of acid pepsin for four hours but which will disintegrate completely in alkaline pancreatin in not more than one hour. As the contents of some human intestines have been shown to be acid at a considerable distance from the stomach, the coating should disintegrate in an acid medium in about nine hours. The method of rendering gelatin capsules resistant to acid pepsin by treatment with solutions of formaldehyde is rarely satisfactory.

—GELATIN CAPSULES AND THEIR POSSIBILITIES

By John Clemow, B.Sc., A.R.I.C.

TELATIN capsules may be divided broadly into hard or two-piece capsules, which are filled with dry vder, and flexible capsules, which norly contain an oil, oily solution, or paste posed of a solid drug milled into a ud carrier.

The two-piece capsule is usually made dipping mechanically a series of manls into hot gelatin solution. The mans are removed from the solution and
n to keep the liquid evenly distributed
le the gelatin sets. The half capsule
ried in an air tunnel, trimmed, ejected
n the mandrel and automatically mated
its other half. The capsules are sold
by to manufacturers or pharmacists
of fill them by hand or machinery.

xible Capsules

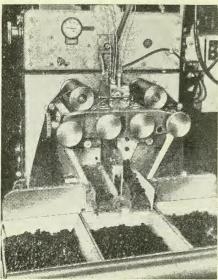
lexible gelatin capsules may be made three processes—the dip process, the e process and the rotary die process. first capsule made was produced by thes, in France, late in the eighth century by the dip process. thes dipped a leather bag of mercury hot gelatin solution, allowed the gelato set, ran out the mercury and withw the bag, leaving a hollow sac of tin which he then filled with medicant. A refined variation of that method ced for many years. It was eventually

replaced by the plate process in which the capsule was filled and sealed in one operation.

By the plate process, strips of gelatin are cast and laid on a plate containing a series of die cups. The filling material is poured on the gelatin strip and a second sheet of gelatin is then laid on the filling material, followed by a top plate. The whole unit is placed in a press which forces the filling and the gelatin into the die pockets. The pressure of the edges of the dies produce the capsule seal. The process is laborious, slow and inaccurate. As much as 40 per cent, variation has been found in the filling weights of plate-process capsules, and the rejection of the abnormally filled capsules results in loss of filling material.

The invention of the rotary die process, by Robert Scherer, in America, in 1933, transformed capsule-making into an economical, accurate and elegant procedure. Since then, the process has been producing ever increasing quantities of precision-made capsules to a high standard.

The rotary-die capsule machine makes two continuous glyco-gelatin strips which are fed into the bite of contra-rotating die rolls, fitted with banks of mating die cups. As opposing dies converge, a dose of filling material, accurately timed, is forced by metering pumps through orifices in a wedge-shaped segment between the ribbons. The filling material forces the gelatin strip into the die pockets, and the edges of the dies make the seal. The



Soft gelatin capsules being made by a rotary-die capsule-machine.

capsules are automatically stripped from the resulting glyco-gelatin net or matrix, which is uncontaminated by the filling material and is therefore recovered for further use.

Advantages of Rotary-die Capsules

Stability of contents. Glyco-gelatin is almost impermeable to oxygen and therefore provides an excellent protection against oxidation. Vitamin A capsules have been shown to retain their full potency of vitamin after five years' storage (with no previous addition of antioxidant). is for reasons of stability that the new international vitamin A acetate standard has been encapsulated by the rotary-die process for storage and distribution throughout the world. The British Phardistribution macopœia, 1948, states that Blaud pill must be freshly prepared prior to dispensing. Capsules containing Blaud mass, however, have been found to retain their content of ferrous carbonate almost to the milligram, after as long as ten years. During the preparation of other dispensing units, it is difficult to remove air from

the medicament either as headspace or i terparticular air. No air, however, center rotary-die capsules either during after manufacture. It is, of course, possible to granulate powders and make ta lets under a nitrogen bell but the metho is unwieldy. Gelatin capsule shells can coloured by means of certified food dy and may also be rendered opaque. The vitamins which are unstable to light, sue as riboflavin, vitamin A and vitamin may be completely protected by the use a coloured shell which is impermeable the damaging wave-lengths.

Administering Volatile Medicamen Encapsulation is the complete answer the problems involved in oral administration of volatile medicaments, such as case bon tetrachloride, tetrachlorethylene, et The gelatin shell is non-permeable to the materials and the capsules have a losshelf life. Gelatin dispensing tubes "liquid skin," etc., are proof against lost of solvent through the shell.

Powders in capsules. When powder are required to be encapsulated, they a incorporated and milled with an oil-weak mixture. Each particle of powder is the fore insulated from neighbouring particles Because of that, many substances whi are normally incompatible, such as ir salts and ascorbic acid, are encapsulat with comparative safety.

Protection against water Vapour as Bacteria. Oral medication with powder liver concentrates is made feasible or by the gelatin capsule, for the hygroscop nature of those substances and their libility to bacterial growth when wet, proclude the use of virtually any other method Gelatin provides a barrier against all containing organisms and thus protecapsule contents against bacterial spoilag

Resistance to Abrasion. Gelatin capsul being elastic, do not suffer from chippir capping or powdering during rough trapport. They are also surprisingly resista to crushing—as anyone knows who I tried to squash a capsule between his figers!

Accuracy of fill. The average fill rotary die capsules varies between per cent.—an accuracy not exceeded any other pharmaceutical process on t same scale. Fills of capsules are measur to the milligram during processing.

to the milligram during processing.

Hiding Unpleasant Tastes. Capsu
hold the lead in efficient protection of t
consumer from nauseating flavours, e.

tose of male fern extract, ferrous subhate, carbon tetrachloride, quinine salts, istor and fish liver oils. Gelatin itself not particularly attractive to children and capsules therefore do not present the danger that sugar coating holds in that ispect. Gelatin shells can be attractively bloured if necessary, and sweetening and avouring materials may be added.

Rapidity of disintegration. Most gelatin psules disintegrate within a few minters of ingestion. Once the shell has dislived, the contents are immediately and tally available for absorption by the ody. There is no slow "peeling" of yers as sometimes happens with tablets sulting in protracted absorption.

Speed of manufacture. The modern rotary-die machine makes three-minim capsules at the rate of twenty-eight thousand per hour—a speed comparable to that of tableting.

Variety of shape. A variety of shapes of capsule may be made on rotary dies, each type of capsule being "tailor made" if necessary to suit the particular requirements of the manufacturer. The shapes include round, oval and many specialised shapes such as bottle shapes (supplied in sizes from min. 4 to fl. oz. 1). This shape has many possible uses including the dispensing of ointments, and nasal drops, and the packing of perfumes, inks, polishes, cosmetic creams and detergents.

HIS FIRST PRESCRIPTION

T the January meeting of the Council the Pharmaceutical Society of Great ritain Mr. F. G. Wells expressed astonishent (C. & D., January 20, p. 76) at a arement in the examiners' report that one candidates for the Pharmaceutical

Chemist examination in pharmaceutics had never seen a manuscript prescription before entering the examination hall. Our artist tries to picture the perplexity of such a candidate on being called upon to pass a test in prescription reading.



"But if it were an ancient anscript it would almost cerinly be on vellum."



"A betting slip? The figures might be odds but the words don't look like names of horses."



"A message in code? If so I'm ploughed straight away. I haven't a clue."



"A football coupon? But ere'd be a lot more teams an that."



"A white Seidlitz paper? But that would have no wording at



"Can it be . . .? It must be . . . a prescription! Gosh! I never thought they looked like that."

VETERINARY THERAPEUTICS

Abstract of an address given by Dr. J. Carmichael at an Evening Meeting of the Pharmaceutical Society in London in December 1950

the veterinary aspect there has been little authoritative information on standards although a number of drugs used in veterinary medicine are included in the British Pharmacopæia, and conform to official requirements. Actions and uses and dosage of this group was in the early days mainly based on human standards in a rough and ready manner. This was often fallacious, due to physiological differences in the various animals concerned and the diverse degrees of tolerance to certain drugs as compared with human beings. It was discovered, for instance, that dogs can tolerate much larger doses of morphine weight for weight than human beings. The action and uses and dosage of drugs which are purely of veterinary interest have been worked out on animals. This information can be found in the text books on veterinary therapeutics or in various scientific journals. It is the function of the British Veterinary Codex Committee to collate all this information, and lay down standards.

Control by Sera

Some of the most important epidemic or epizootic diseases are controlled by vaccines, sera and other biological preparations. Freedom of action not possible in human medicine and the economic aspect distinguish veterinary medicine, however. Possibly greater advances have been made in the control of the major epizootic diseases of animals than of man, for the herd rather than the individual can be taken as the unit.

Like all virus diseases there is no known drug treatment for animal virus diseases but many of them are very well controlled by biological methods. Swine fever in Britain and rinderpest in Africa and Asia are typical examples.

In bacterial diseases contagious abortion in cattle caused by Brucella abortus has always been considered to be one of the most important diseases of the dairy industry. I can report that this disease can be almost completely controlled by the use of strain S.19 vaccine. It is only within the past twenty years that the bacteriology of mastitis has been elucidated. Streptococcus agalactiae is the organism most frequently associated with infectious bovine mastitis. Penicillin is now used almost exclusively for treatment and generally gives

excellent results. It is injected into the udder either as a solution or in oil was in doses of 25,000 up to 100,000 units per quarter. For more refractory infection dibromopropamidine with sulphathiazol dihydrostreptomycin and sulphones are a used with varying degrees of success, severe type of mastitis due to Corynebal terium pyogenes occurs mainly in the sum mer in dry cows. There is no specific cur Work is being directed towards chemiprophylaxis of this condition.

Treatment of "Foot Rot"

"Foot rot" is a condition in catt where there is an invasion of the soft ti sues of the foot with Fusiformis necrephorus causing a necrotic condition, are phorus causing a necrotic condition, are advanced cases actual shedding of the hoof or even the digit may occur. A cillarge dose of sulphapyridine sodium introvenously or sulphamethazine sodium give intravenously or subcutaneously as a rurapidly clears up this infection. System bacterial infections, due to streptococci an staphylococci, are generally streated with the sulphonamides or an antibiotic suc as penicillin or streptomycin or both.

There are many protozoal infections of animals and the majority occur in the tropics. They are of importance in the devolopment of Africa especially where the testse fly infests vast areas of country is which cattle and often man cannot exiowing to infection with trypanosom which the fly transmits. The disease is man is known as sleeping sickness and is cattle by various names, of which proleably the Zulu nagana is the commones. The modern treatment of these infection is by injection with the phenanthridiniun compound dimidium bromide, or the morecent Antrycide. Some form of long term chemoprophylaxis is required.

Coccidiosis in Chicks

Coccidiosis is an important intestinal ir fection of chicks which can cause ver heavy mortality. Treatment by medicate drinking water is satisfactory, sulphame thazine, Soluthiazole and sulphaquinoxaline being commonly used. In mammal especially cattle, dogs, cats and rabbit there is good evidence that this infectio can be adequately controlled by mepacrin hydrochloride solution—4.5 gm. is give

o adult cattle usually in two pints of water. Blackhead in turkeys is a protozoal isease closely resembling amoebic dysen-ery in man, in which the intestine and he liver may be involved. The causative rganism Histomonas meleagridis reaches he intestine of the turkey in the egg of a mall parasitic worm Heterakis gallinarum hich is a common parasite in ordinary owls. This complicates the therapeutics f the disease but good control is possible y the arsenicals such as neoarsphenamine nd acetarsol. More recently in America reat claims have been made for a subance known as Enheptin T in the pro-The hylaxis and cure of this disease. form heterakis, the intermediate host, can e controlled by phenothiazine.

Vorm Infections

Cestodes or tapeworms are found in lost animals and their control depends on he life cycle and the species of worm and he species of the host. In the larger aniials tæniasis rarely causes any symptoms xcept very heavy infections in the young, nd this is very rare, Extract of male fern, amala, ol. terebinth, copper sulphate and rsenic have all been used. In tæniasis in ogs and cats, Arecoline hydrobromide in oses of 2 mgm. per kilo body weight (a otal of gr. $\frac{1}{16}$ to $\frac{1}{2}$) is fairly effective. amala gr. $\frac{1}{2}$ to 1 is usually used for cats s they do not tolerate arecoline hydroromide well. Recently, dihydroxy dichprodiphenyl methane has been introduced The dose is nd is giving good results. .5 gm, for each 6 lb, body weight, No reparation of the patient and no purgave is necessary.

Nematodes or roundworms form a huge lass and infest almost all species of mamnals and birds. Two rough classifications f them are the ascaridæ and the strongydae. Oil of chenopodium (in linseed or astor oils) is the basis of most of the reatment against ascarid worm parasite. scaridole is often preferred for small aninals. Ascariasis in pigs has been found o yield to sodium fluoride treatment. The trongyloid type of worm are more harmul because many species are blood suckers. lopper sulphate and arsenic is the basis f the South African Government wire vorm remedy and regular dosing is a ecessary feature of sheep husbandry in Africa and many other parts of the world. henothiazine is now used in large quanities. Carbon tetrachloride and tetrochlorthylene are also used, depending on the redominant species of worm. In dogs and cats and the fur-bearing animals the hook worm type of parasites in this group are important and ancylostomiasis and uncinariasis are treated by tetrachlorethylene given in gelatin capsules. In horses, phenothiazine or arsenic in the form of the paraglycolylaminophenylarsenic acid or Glycarsamide are commonly used.

In dogs various types of dermatitis and acute moist eczematous conditions respond to antihistamine treatment. In horses certain types of laminitis which have long been associated with certain dietetic factors seem to be true allergies and respond to the antihistaminics such as mepyramine maleate or promethazine hydrochloride given intramuscularly. Other conditions in horses such as purpura hæmorrhagica, azoturia, pulmonary ædema and anaphylactic reactions, respond in many cases to the injection of an antihistaminic drug. In cattle, although knowledge of the pharmacology of histamine is very limited, the antihistaminics have given good results in a number of conditions such as certain types of tympanites, acute septic metritis and laminitis. In sheep, mepyramine maleate proved a life saver in cases of rhododendron poisoning.

For mange, benzyl benzoate and tetraethylthiuram monosulphide are outstandingly successful

ingly successful.

Anæsthetics

Inhalant anæsthetics are, in my opinion, to be avoided in animals whenever possible. In the smaller animals, especially, the barbiturates have been a most welcome innovation and an intravenous injection of thiopentone or Nembutal is now the accepted anæsthetic for dogs and cats, Recently the intravenous anæsthetic β -naphthoxyethanol for horses was introduced.

Under the title "The Milk Fever Complex" I include the various conditions seen in cattle which are due to severe metabolic disturbances resulting in a sudden fall in the level of blood calcium or magnesium or dextrose and sometimes possibly phosphorus. Symptoms under this group have in common the factor that the animal may become unconscious or stagger about in a semi-conscious state—hence the term staggers-which is often applied to some of these syndromes. They are controlled by the injection of magnesium sulphate or dextrose, according to the condition to be treated. A mixture containing calcium, borogluconate, dextrose and magnesium hypophosphite is proving useful in this type of case.

CORRESPONDENCE

Two Qualifications or One?

SIR,-The proposed changes in the constitution of the Pharmaceutical Society (C. & D., January 20, 90-91) reveal that persons at present registered as Pharmaceutical Chemists are to become Fellows of the Society. Yet Mr. C. W. Maplethorpe in an address to an evening meet-Pharmaceutical Society the (C. & D., November 18, 1950, p. 560-62), said that the existence of two statutory qualifications (Ph.C. and Chemist and Druggist) had nothing to commend it and that the new examination regulations were aimed at the substitution of one qualification only. Thus we are again—for practical purposes-to have two separate qualifications. True, the Fellowship is additional to registration, but it was once a common practice to take the Chemist and Druggist first and the Ph.C. later. In addition an examination for the Fellowship is proposed. It seems to me that the distinction is small. SEMPER EADEM.

Pharmaceutical Committee Election Procedure

SIR,—I have received many letters from retail employee pharmacists (some members some non-members of the Registered Pharmacists' Union) asking for detailed information as to the procedure for recording votes in the forthcoming elections of representatives on Pharmaceutical Committees. In response to my request the Ministry of Health sent the following

reply:-It is not for the Minister to lay down by regulation the electoral procedure for the com-mittee, which is primarily the concern of the pro-fession. The Minister is only required to be satisfied that the committee represent the chemist-contractors of the area. The Act gives him no power to make any other conditions for the recog-nition of a committee. The Minister notes from the model constitution for pharmaceutical commit-tees prepared by the National Pharmaceutical the model constitution for pharmaceutical committees prepared by the National Pharmaceutical Union, which he believes had been adopted by all the committees he has recognised, that the electoral list of employee pharmacists is prepared by the Returning Officer for the Area, who is appointed by the committee and who could no doubt give your members further information. doubt give your members turther information. The Clerks of Executive Councils are not directly concerned in these elections except that occasionally they are chosen as Returning Officers. The Minister regrets he has no information on your fourth question." (What obligation rests on the returning officer to publish election result details in the pharmaceutical Press?)

The Secretary of State for Scotland re-

Any committee which is constituted in accordance with the scheme for the Constitution of Local

Pharmaceutical Committees (Scotland) which heen drawn up by the Pharmaceutical Gener Council (Scotland) shall be deemed to satisfy the condition. The Returning Officer for the electic of members to Local Pharmaceutical Committe in terms of the Scheme is the Secretary of the Pharmaceutical General Council (Scotland). It has deep the council of the scotland of the council of the scotland of the sc Pharmaceutical General Council (Scotland). It his duty to prepare lists of employee pharmacis entitled to take part in the election. Under the scheme, he is under no obligation to publish details of the election results. The election of the Committees is considered to be a matter for the Committees is considered to be a matter for the pharmaceutical profession rather than for the National Health Service administration, so the Clerks to Executive Councils have no concern with the elections. Detailed informations about when the properties of the council of lists of electors are deposited, etc. would be be obtained from the returning officer—Dr. I McCall, Secretary, Pharmaceutical General Counc (Scotland), 36 York Place, Edinburgh, 1." I am corresponding with the two gentle men who are named as the Returnir Officers. As it is a matter for the pha maceutical profession it is essential tha pharmacists should be fully informed be fore the appointed day.

G. H. Armitage, General Secretar Registered Pharmacists' Unio

London, W.C.1.

A PHARMACIST'S ANTHOLOGY

I THINK I must have read of the position open to women who qualified as chemis or dispensers to country doctors. Anyho I found out how long it would take m to pass the necessary examinations, decide I could afford it, and then announced th new departure to my parents, who receive the news with their customary calm. . Sometimes I wonder where I found th courage to persist in becoming a dispense Even had there been a G.B.S. visib beckoning at the end of the long road, doubt whether that would have kept m going, for I could not have realised th fascination of that later journey. . . . After some months of study I achieved the Ce tificate of the Apothecaries' Hall, a gowhich I would commend to anyone faulty memory. The course beats Pelman ism hollow. After several weeks' recupera tion at home, a friend asked me to go t a doctor in the country who needed dispenser. . . The house, run by severa servants, was most comfortable, but, t an absolute novice such as I, the docto himself was a bewildering creature, talkin much too fast when dictating prescription and, if he wrote them, doing it, like s many doctors, in characters which even practised pharmacist would find unread able .- From " Thirty Years with G.B.S. by Blanche Patch.

OVERSEAS TRADE IN 1950

Statistics compiled from the Trade and Navigation Accounts

			<i>Imports</i>		Exports (U.K. Go	ods)	Total Exports
950			£2,602,945,396		£2,170,085,836		£2,255,048,383
949			£2,272,481,188		£1,784,383,343	•;•	£1,842,996,121
938	• • •	• • • •	£919,508,933	• • •	£470,755,320	• • •	£532,279,966

Description	Імр	PORTS	Exports		
DESCRIPTION	1949	1950	1949	1950	
	£	£	£	£	
hemicals, drugs, dyes, etc. (group	25,331,077	36,210,176	86,093,728	107,432,727	
total) Salicylic acid and salicylates	_	- /	372,407	162,082	
Disinfectants, insecticides, weed killers, cattle dressings, etc	,		0.050.180	3,720,563	
I lodine	390,628	591,866	3,253,180	3,720,503	
Menthol	244,845	426,604	_		
Cream of tartar			35,800	_	
Spirits (perfumed))	570,612	617,478	
rugs and medicines (miscellaneous					
manufactures)	1,091,763	2,034,702	18,371,709	22,330,037	
Proprietary medicines	186,399	304,433	4,984,619	4,945,926	
Quinine and quinine salts		_	448,223	378,592	
Aspirin			452,685	607,231	
Insulin			428,569	429,797	
Penicillin Ointments and liniments		_	2,539,014	2,752,568	
rugs, etc., raw and simply prepared	1,675,789	2,762,932	825,585	908,345	
Cinchona bark	239,761	227,292			
Ipecacuanha and other roots (total)	291,681	438,246			
um acacia	599,347	830,940	297,458	456,366	
ragacanth	353,178	720,878	(processed gun	ns of all kinds)	
od and other liver oil	988,645	764,932	703,382	940,738	
live oil, refined	917,392	161,707		-	
ssential oils, natural	2,390,465	5,128,853	469,547	594,642	
oilet soap	-		2,130,985	1,921,637	
erfumery and toilet preparations, ex-					
cluding spirits, essential oils and		,		65	
soap (total)	84,274	84,523	4,047,507	4,025,567	
Dental preparations	_	_	810,561	895,046	
Cosmetics	_	_	1,441,973	1,474,219	
oilet requisites (compacts, puffs, etc.)	_	_	145,882	233,657	
ooth and dental brushes			292,812 322,115	298,002	
air, shaving and other brushes				428,724	
ameras, etc	213,123	369 342	1,208,952	895,544	
ledical, surgical instruments, etc.	05.400	161 050	531,373	506 505	
(except optical)	95,430	161,358	714,462	526,535 838,493	
urgical and medical plasters Other druggists' wares (unspecified)			856,049	977,565	
andages			312,260	565,312	
otton wools and gaves tissues	_		508,447	602,856	
other dressings			771,393		
D	<u> </u>		11-1333	720,041	

Re-export totals were as follows: Chemicals, drugs, dyes, etc., 1950, £1,014,487 (949, £490,103); manufactured drugs and medicines, £476,793 (£160,810); drugs, aw or simply prepared, £489,924 (£251,903); essential oils, £518,319 (£207,809); um acacia and tragacanth, £400,728 (£268,639).

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quant ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

A SUBSTANTIAL volume of inquiry is being received for Pharmaceutical and Fine Chemicals but, as a result of current shortages of raw materials, manufacturers are unable in many instances to quote for large quantities or to promise early deliveries. Containers of all kinds are extremely short. Advances in the cost of raw materials have been responsible for further rises in prices. During the past week increases have been announced for Bromides: the Potassium salt is up by 2½d., Ammonium by 1d. and Sodium by 1½d. per lb. Thymol is dearer. Calcium lactate is increased by 2d. per lb. and the Calcium sodium salt by 2½d. Lactic acid has increased by 3d. per lb. Atise has occurred of 2d. per lb. in the price of Phosphates are dearer. Ephedrine of Phosphates are dearer. Ephedrine has increased by 6d. and Atropine alkaloid and salts by 1s. per oz. New prices take effect on Fedruary 1 for Phenol-Phtalein representing an increase of 1s. per lb. on former rates.

The principal feature for Crude Drugs is the acute shortage of IPECACUANHA: there are no supplies on the spot and forward offers are lacking. Business has been done in Portuguese Ergot on spot at 73s. 6d. per lb. CANADA BALSAM is dearer for shipment and higher prices are selved for the small supplies on the creek. asked for the small supplies on the spot. COCHINEAL is dearer forward; spot prices are now below shipment values. It is difficult to find supplies of GENTIAN and the forward market is gaining strength. QUASSIA is firmer on the spot. Good quality Rhubarb is becoming scarce, though there is a plentiful supply of lower-quality material. Ŝenega is in good inquiry. West Indian NUTMEGS and PIMENTO are firmer markets. At the call-over on Friday Shel-LAC prices were marked up reflecting firmness on the delivery market. Prices of Waxes continue to mount. Beeswax is virtually nominal as a result of scarcity of offers. Sharp rises have occurred in CARNAUBA and Ouricuri has moved up in sympathy. Essential Oils generally continue firm. Prices of Olive oil are rising. CASTOR OIL is scarce.

U.S. Drug and Chemical Report

New York, January 19
THE shortage of SULPHURIC ACID is now
being felt by many sections of the chemical
industry. The National Production Authority has issued orders to conserve supplies of many Fine Chemicals and it is
thought that control may be extended to
HYDROCHLORIC ACID, supplies of which

are short owing to the lack of sulphuri acid. Trading in fine chemicals has bee fairly brisk and the market is firm. Mei curials are reflecting recent increases it the cost of metal. Silver salts have also advanced. A good demand is bein received for Sulphonamides and Antibic tics. Some holders of Glycerin have been disposing of part of their stocks at it is feared that price control is imminent Synthetic Camphor is in good request. The tone of the Crude Drugs market is firm in view of higher replacement costs for many items, both domestic and foreign Advances have been made in prices of Beeswax, Carnauba and Ourtouri waxes. The upward movement of Essential Oil continues. Higher prices are reported for Ceylon Citronella, Italian Bergamot an Spearmint oils. Chinese Star Anise and Cassia are firmer markets while severa chemicals derived from Bois de rose of are dearer.

Pharmaceutical Chemicals

ADRENALINE.—B.P. is quoted from 3s. t 3s. 6d. per gm. for natural and 2s. t 2s. 6d. for synthetic; racemic, 2s. per gm

Atropine.—Higher prices from Januar, 24. Rates per oz. are: Alkaloid, 53s. 9d. 4-oz., 53s. 3d.; 25-oz., 52s. 9d. Sulphate 44s. 9d.; 4-oz., 44s. 3d.; 25-oz., 43s. 9d.

Boric acid.—Rates for B.P. quality in 1-ton lots and upwards are as follows Granular, £75 10s.; crystal, £81; powder £78 10s.; extra-fine powder, £80 10s. small flake, £94 per ton; in 1-cwt. bags carriage paid, Great Britain. Surcharge for smaller quantities are as follows:—Less than 1 ton but not less than 5 cwt. 1s. per cwt.; 3 cwt., 2s.; 1 cwt., 3s. to 5s.; less than 1 cwt., 5s. to 10s. per cwt more than above rates.

Bromides. — Higher prices were an nounced on January 19, Potassium, B.P. crystal/granular, as follows: 5-cwt., 2s. 5d. 1-cwt., 2s. 6d.; 28-lb, and under 1 cwt. 3s. 0½d. to 3s. 4½d. per lb., as to pack (Powder, 1½d. per lb. extra). Ammonium B.P.: Prices as above. Sodium, B.P.: Prices are 2d. per lb. less than above Packings: 1-cwt. cases or kegs charged; 28-lb. parcels, free. Carriage paid on 1-cwt. lots in U.K.

Carbon Tetrachloride.—In 1-2 carboy lots, B.P. grade is £115 per ton. Technical, in 40-gall, drums, in less than 1-ton lots, is £66 per ton; 1 ton and under 2 tons, £64 10s.; 2 tons and under 4 tons, £64; 4 tons and upwards, £63.

CHLORAL HYDRATE.—A price of 4s. 2d. per lb. is asked for 1-cwt. lots; 28-lb., 4s. 6d. per lb.

CHLOROFORM.—1-cwt. lots in winchesters are 3s. 2½d. per lb.; 56-lb., 3s. 3d. In lrums, prices are 3s. 1d. and 3s. 1½d.

COCAINE. — Current rates per oz. are: Alkaloid, Citrate and Salicylate, bothes, 4-oz., 89s.; ½-oz., 85s.; 1-oz., 82s. 6d.; 2-oz., 80s. 6d.; 4-oz., 79s. 3d.; 8-oz., 8s. 3d.; 16-oz., 75s. 3d.; tins, 25-oz. 3s. 9d. Hydrochloride, Nitrate and Sulphate, bottles, ½-oz., 79s.; ½-oz., 75s.; 0d.; 2-oz., 70s. 6d.; 4-oz., 9s. 3d.; 8-oz., 68s. 3d.; 16-oz., 65s. 3d.; ins, 25-oz., 64s.

CREAM OF TARTAR.—Current prices (per wt.) for supplies to the home trade are: 0-cwt. lots, 212s.; 5-9 cwt., 213s.; 2-4 wt., 214s.; 1-cwt., 215s., delivered.

CREOSOTE.—B.P. quality, ex beechwood, s quoted at from 6s. 9d. to 7s. 6d. per lb. EPHEDRINE.—Rates for 100-oz, lots are: ALKALOID, 12s. 6d.; HYDROCHLORIDE, s. 6d.; and SULPHATE, 8s. 9d. per oz.

GUAIACOLS.—Liquid and crystal are from 5s. 6d. to 17s. 6d.; and carbonate from 6s. 6d. to 18s. 6d. per lb.

HEXAMINE. — B.P. is offered at from s. 9d. to 2s. per lb., as to quantity.

HEXOBARBITONE.—Quotations are in the egion of 77s, per lb. for small quantities. HYDROCYANIC ACID. — B.P.C. (Scheele's) s quoted at from 1s. 5½d. per lb. and 3.P. at 1s. $1\frac{1}{2}$ d. per lb.

Hydroquinone.—Bulk rates are as follows, 10 cwt., 9s. 6d.; 5 cwt., 9s. 9d.; cwt., 10s.; 28 lb., 11s.; 14 lb., 11s. 3d.; lb., 11s. 6d. per lb. Carriage paid in U.K. Hyoscine hydrobromide. — Quotations re from 100s. to 115s. per oz., according o quantity.

o quantity.

Hypophosphites.—Makers' rates per lb. or 7-lb. lots are: Ammonium, 9s. 3d.; 3al; 3al; 4d.; Magnesium, 7s. 9d.; Mangarese, s. 4d.; Magnesium, 7s. 9d.; Mangarese, s. 5d.; Potassium, 6s. 1d.; Sodium, s. 7d. Hypophosphorous acid.—In win-lesters prices are around 6s. 2d. per lb.; acaphore, 5s. 10d. per lb. spked

a carboys, 5s. 10d. per lb. asked.

ICHTHAMMOL.—In drums, quotations are rom 3s. 6d. to 3s. 9d. per lb.; in 28-lb. ins, 4s. 1½d.; in 7-lb., from 4s. 3d.; nd in 1-lb. tins, from 4s. 6d. to 5s. per lb. LACTIC ACID, B.P., in 12 winchester lots, s. 6d, per lb. s. 6d. per lb.

LACTOSE.—English, in 1-ton lots packed 2-cwt. kegs, £142 per ton; in 1-cwt. egs, £143 per ton. In 1-cwt. paper-lined ags, 5s. per cwt. less than the above rates. elivered in the United Kingdom.

Mercury derivatives.—Nominal quotations (per lb.) for 1-cwt, lots are: Ammoniated, B.P., lump or powder, 21s. 9d.; Perchloride, B.P., powder, 19s. 6d.; Chloride, B.P. (calomel), 22s. 6d.: Oxides, B.P.C. levigated, or yellow B.P., 24s.

Metol.—In short supply. Prices per lb. are: 10 cwt., 19s.; 5 cwt., 19s. 6d.: 1 cwt., 20s.: 28 lb., 21s.; 14 lb., 23s.; 7 lb., 24s. Carriage paid in the United Kingdom.

PHENOLPHTHALEIN.—New prices are announced, with effect from February 1: 1cwt. lots are 8s. 7d. per lb.

PHENYTOIN SODIUM. — Quotations for small quantities are at about 32s. 6d. per lb.; the base is available at the same price.

Phosphoric acid.—B.P. is 1s. 4½d. per lb, in 1-2 carboy lots. Supplies are short.

PIPERAZINE. — French material is offered at from 110s, to 120s, per kilo.

Potassium permanganate. — Current home-trade rates for material packed in 1-cwt, drums are as follows:-

QUANTITY	B.P., per lb.	TECHNICAL, per cwt.
ı cwt.	1s. 6d.	153s.
3 cwt.	1s. 5½d.	1498.
5 cwt.	18. 5d.	144S.
ı ton	1s. 4½d.	139s. 6d.
5 ton	1s. 4d.	135s.
10 ton	·	1338

Net, delivered nearest railway station in Great Britain; drums charged extra and returnable. In 5-cwt. drums prices are 1s, per cwt. less than above. Contracts: 1 ton upwards, six months.

Pyrogallic acid. — Quotations per lb. PYROGALLIC ACID. — Quotations per lb. for CRYSTALS are as follows: 1 cwt., 18s.; 56-lb., 18s. 6d.; 28-lb., 19s. 6d., net. Smaller quantities are from 21s. to 24s. per lb., less 2½ per cent. RESUBLIMED is 20s. 3d. per lb. for 1-cwt. lots; 56-lb., 20s. 9d.; 28-lb., 21s. 9d.; 14-lb., 23s. 3d. net. Smalls are from 24s. 9d. to 26s. 3d. per lb., less 2½ per cent.

QUININE. — Makers' rates (per oz.) to home-trade distributors are given below: additional charges must be added for additional charges must be added for repacking, etc. Alkaloid, from 5s. to 5s. 6d.; Acetylsalicylate, 6s. 3d. to 6s. 9d.; Bisulphate, 3s. 7d. to 4s. 1d. Dihydrobromide and Dihydrochloride, 4s. 11d. to 5s. 5d.; Formate, 5s. 9d. to 6s. 3d.; Glycerophosphate, and Phosphate, 5s. 5d. to 5s. 11d.; Hydrobromide and Hydrochloride, 4s. 6d. to 5s.; Salicylate, 4s. 8d. to 5s. 2d.; Sulphate, 4s. to 4s. 6d.; Quinne and Urea hydrochloride, 4s. to 4s. 6d. to 5s. 2s. 4d. CHLORIDE is quoted from 4s. 10d. to 5s. 4d.

SULPHOCARBOLATES, -- SODIUM PHENOLSUL-PHONATE, B.P.C. (powder or crystal) is now 5s. 8d. per lb. in 28-lb. lots.; 7-lb., 6s. per lb. ZINC, B.P.C., is 5s. 4d. per lb. (28-lb.); 7-lb., 5s. 8d. per lb.

THYMOL.—Higher prices are announced. 28-lb. lots are 31s. 6d.; 14-lb. lots, 32s.; and 7-lb., 32s. 6d. per lb,

Crude Drugs, etc.

Aconite.—Spanish napellus on the spot is 3s. 6d. to 3s. 9d. per lb., duty paid.

AGAR.—Kobé No. 1 on the spot is quo-

ted at 9s. 6d. per lb., duty paid.

Aloes.—Cape is still difficult to obtain; indications from the origin of prices up to 245s, per cwt., c.i.f. Curação is attracting more interest—spot quotations are from 240s, to 245s, per cwt.

ANTIMONY. — English, 99.6 per cent., £260; 99 per cent., £250 per ton.

Areca Nuts.—Ceylon, f.a.q., on the spot, are from 37s. 6d. to 40s. per lb.

ARNICA FLOWERS.—Spot quotations are from 1s. 3d. to 1s. 4d. per lb., duty paid.

Benzoin,—Firm, Sumatra block on the spot is quoted at up to £32 per cwt.; afloat, £27 10s., c.i.f.

BISMUTH.—Metal is 17s. per lb. in min-

mum 5-cwt. lots.

BLACK HAW. — Tree bark is offered at 3s. 3d. per lb., ex store.

Buchu.—Quiet. Short round leaves on the spot are 2s. 2d. per lb.

Calumba.—Natural sorts are quoted at

from 75s. to 80s. per cwt., spot.

CAMPHOR. — Chinese refined powder

(P.D.) is from 4s 6d to 4s 9d per lb

(B.P.) is from 4s, 6d, to 4s, 9d, per lb., duty paid, $\frac{1}{4}$ -oz, tablets, quoted at 5s, 9d, duty paid (5s, 6d, in bond).

Canada balsam,—Spot supplies are almost exhausted. Prices are at 25s. per lb.

Capsicums. — African on spot is 190s. to 250s, per cwt., as to grade.

Cascara sagrada.—Firm. Spot supplies of 1950 natural bark are offered at from 365s. to 370s. per cwt., duty paid (340s. in bond); for shipment, 345s., c.i.f., nominal.

CASCARILLA. — Quills on the spot are quoted at 1s. 3d. per lb.; siftings, 1s. to

1s. 2d. per lb.

CHILLIES. — Mombasa, spot, quoted at 345s, per cwt.; for shipment, 315s, to 320s, per cwt. Sierra Leone, spot, 285s. per cwt.: for shipment, 265s., c.i.f.

Cloves.—Quiet. Zanzibar on the spot. 3s. 2d. per lb.; for shipment, 3s. 1d., c.i.f. Madagascar, in bond, 3s.; for shipment,

3s., c.i.f.

Cochineal.—Prices are rising. Based on replacement costs black and silver grain would be in the region of 9s. per lb.

Cop-liver oil.—Medicinal, B.P. is 13s, per gall., in charged returnable drums, and 14s, 6d, per gall, in 1-gall, tins; delivered. Veterinary oil is upwards of 13s, per gall, according to pack.

COLCHICUM. — Corms on spot are quoted at from 2s, 3d. per lb., as to test: seeds,

8s. 6d. per lb., spot, duty paid.

ERGOT.—Firm. Business done on the spot at 73s. 6d. per lb.

Gentian. — Difficult to find spot supplies. In France a price of 135s, per cwt., c.i.f., is indicated for shipment.

GINGER.—African is offered at 325s, per cwt.; new-crop for February-April shipment, 285s., c.i.f. Jamaican, new-crop, February-April shipment, 405s., c.i.f., value.

GUM ACACIA.—Kordofan cleaned sorts on the spot, 122s, 6d. per cwt.; for February-March shipment, 99s., c.i.f.; March-April, 98s., c.i.f.

Henbane.—Egyptian (*H. muticus*), f.a.q. is quoted from origin at from 85s, to 86s, per cwt., c.i.f. *Niger*, 4s. 3d. per lb., spot.

Honey.—Firm, Australian dark honey is 80s. per cwt. and pale 86s, per cwt., in 60-lb. drums; Argentine pale is 90s. per cwt. Carriage paid in U.K.

HYDRASTIS.—Supplies on the spot (for processing for export only) are offered at 40s, per lb.

IPECACUANHA.—No supplies are offering on the spot market and no shipment offers are reported.

IRISH MOSS.—No. 1 carragheen on the spot, 100s. per ewt., nominal.

KARAYA.—No. 1 on the spot is valued

at 400s., and No. 2, 325s. per cwt. Kino.—Indian on spot is 6s. 9d. per lb.

LIQUORICE.—Anatolian natural root on the spot in London is quoted at from 50s, to 52s, 6d, per cwt., and Syrian at 42s, 6d, in Liverpool; Russian natural root is offered at 55s, per cwt., spot London. British block, 150s, to 195s, per cwt., as to grade. Turkish block juice is quoted at from 150s. to 220s., duty paid, according to holder. Turkish stick is from 170s. per cwt., duty paid. Italian stick is from 240s. to 475s. per cwt., duty paid.

LYCOPODIUM.—Triple-sifted material, on the spot, is quoted at from 11s. per lb., duty paid.

MACE.—West Indian pale blade is nominal at 9s. per lb.; for shipment, 9s., c.i.f.; second-hands, 8s. 6d., c.i.f.

MALE FERN. — Indian for shipment is quoted at 50s. per cwt., c.i.f.

MENTHOL.—Chinese on the spot is quoted at from 102s, 6d. to 105s, per lb., duty paid (in bond, 97s.); afloat, 95s. to 97s. 6d. per lb., c.i.f.

MERCURY. — Spot quotations are from £73 10s. to £74 per flask, ex warehouse.

Nutmegs.—West Indian 80's, 4s, 9d, per lb., nominal; unassorted, 3s, 9d., and wormy, 2s, 10d., spot London.

Papain.—Quotations are at 36s, per lb. for East African white and 29s, per lb. for Ceylon sun-dried material, spot.

PIMENTO.—Firm. Spot quotations are from 1s, 10½d, per lb.; for shipment, 200s. per ewt., c.i.f.

Quassia.—Chips on the spot are offered at 35s, per cwt.; for shipment, 28s., c.i.f., quoted.

QUINCE SEED.—Cape on the spot, 4s. per lb.; Continental, 3s. 0½d. per lb., spot.

Rhubarb.—Chinese rough round on the spot, with a good fracture and sound, is from 7s. 6d. to 8s. 6d. per lb., duty paid. Root of lower grades is from 5s. 9d.

to 6s. 6d., duty paid. SEEDS.—Turkish Anise is showing more SEEDS.—Turkish ANISE is snowing more interest, with 150s. per cwt., now quoted in bond, and 160s. per cwt., duty paid, spot London. Caraway.—Dutch, firm at 190s. to 195s. per cwt., duty paid in London. Celery.—Indian, unchanged on spot at 1s. 10½d. per lb. For shipment, 185s. per cwt., c.i.f. London, quoted. Corlander.—Owing to shortage of supplies, both per conduction of the supplies of the market has again spot and forward, the market has again advanced. Morocco on spot is quoted at 220s. per cwt. in bond, and 230s, per cwt., duty paid in London. For shipment, quotations from 210s, to 215s, per cwt., c.i.f. London are indicated, but no firm offers. Cumin.—Supplies on spot are now short, with Cyprus quoted at 240s. per cwt., Indian, 240s. per cwt., and Maltese, 250s. per cwt. For shipment, Cyprus is quoted at 250s. per cwt.; Indian, 250s. per cwt., and Morocco, 300s. per cwt., all ci.f. Dill., — Indian is quiet and unchanged at 80s. per cwt., spot London. Fennel.—Indian, 110s. per cwt., quoted ci.f. London, and 120s. per cwt., on the spot. Fenugreek.—Market continues firm. Morocco, on the spot, is 50s. per cwt., duty paid, in London or Liverpool. For shipment, 45s. per cwt., is now quoted, e.i.f. London or Liverpool.

SENEGA. — Firm. No spot offers; for shipment, 21s. 6d., c.i.f., quoted.

SENNA.—Firm. Tinnevelly leaves, f.a.q., No. 1, 1s. 5d.; No. 2, 1s. 4d.; No. 3, 1s. 2d.; No. 4, 1s. 1d. per lb., spot, nominal. Alexandrian pods, 2s. 6d. per lb., nominal, spot; Alexandrian broken leaves are nominally from 102d, per lb. and siftings from 9d. to 93d.

SHELLAC.—Spot F.O.T.N., pure is now 430s.; F.O. Standard 1, 445s.; and fine

orange, 460s. to 510s. per cwt.
STYRAX.—Spot is quoted at 7s. per lb., duty paid; for shipment, 6s. 6d., c.i.f.

WAXES.—BEES'. — Dar-es-Salaam, 675s. per cwt., nominal; February-March shipment, 650s., c.i.f. Benguela, 675s. per cwt., duty paid; February-March shipment, 575s., c.i.f. Sudanese, no spot offers; for February-March shipment, 570s., c.i.f. CANDELILLA.—Spot, 615s. per cwt.; forward. 610s., c.i.f. CARNAUBA.—Prime yellow, 1,300s, per cwt., spot; shipment, 1,250s, nominal, c.i.f. Fatty-grey, 1,200s, per cwt., spot.; afloat, 1,150s., c.i.f.; January-February shipment, 1,150s., c.i.f. OURICURI.—2 per cent, impurities, for shipment, 1,000s, per cwt., c.i.f.

Essential and Expressed Oils

Almond.—Expressed sweet oil (B.P.) on the spot is from 5s, 3d, to 6s, per lb.; Bitter essential oil, s.a.p., on the spot, is from 24s, to 55s, per lb., as to grade.

Amber.—Rectified on the spot is offered at 1s. 2d. per lb.

Anise.—Chinese star is quoted at from 15s. 6d. to 15s. 9d. per lb. on the spot: for shipment, 15s. 6d., c.i.f., nominal.

Bergamor.—Small supplies on the spot are offered at from 52s. 6d. to 54s. per lb.

Bois de Rose.—Firm. Brazilian on the spot is from 38s, 6d, per lb., duty paid.

Cade.—Spanish oil, B.P., on the spot, is quoted at from 2s. 6d. to 3s. 6d. per lb.

CARAWAY.—English-distilled is quoted at from 45s.; imported oils are offered at from 32s. 6d. to 35s. per lb., spot.

Cassia, — Firm. Spot is nominal at 35s, per lb.; for January-February shipment, 32s. 6d, per lb., c.i.f.

Castor oil.—B.P. oil on the spot is nominally £275 per ton; Firsts, from £255 to £270 per ton, naked, ex mill.

CITRONELLA.—Firm. Ceylon on the spot is nominally 15s. 6d. per lb.; afloat, 15s., c.i.f., for shipment, January-February, 15s., c.i.f., nominal. Java afloat, from 18s. 6d. to 19s. per lb., c.i.f. Formosan, for shipment, 15s. 9d. per lb., c.i.f.

CLOVE. English-distilled bud oil in 1cwt. lots is 25s. 3d. per lb., with smaller quantities up to 26s. per lb.

LAVENDER. — French (38-40 per cent. linalol) is quoted for shipment from origin at 50s, per lb., c.i.f. Spanish spike on the spot is offered at from 22s. 6d. to 23s, 6d. per lb.

LEMONGRASS.—Firm. Spot is quoted at about 31s. 6d. per lb.; January-February shipment, 31s., c.i.f.

NUTMEG.—Prices of English-distilled oil are at 45s, per lb.; second-grade, 25s, per lb. Imported oil is about 36s, to 40s, per lb., duty paid.

OLIVE.—Quotations for edible oil are from 31s. 6d. to 33s. 6d. per gall. in 45gall. drums, ex warehouse, as to grade and quantity.

Palmarosa.—Spot supplies are offered at about 55s. per lb.; for shipment, 54s. per lb., c.i.f.

Peppermint.—Chinese is quoted at from 33s. to 34s. per lb., spot; for shipment from Hong Kong, 32s. 6d., c.i.f. *Piperita* is offered at from 55s. to 60s., as to grade.

ROSEMARY.—Firm. Spanish on the spot is from 9s. to 10s. per lb.; for shipment, 7s. 9d., landed, duty paid terms.

SASSAFRAS.—Brazilian natural is quoted at from 6s. 9d. to 7s. 6d. per lb., duty paid, spot London.

VETIVERT.—Firm. Bourbon on spot is quoted at from 200s, to 225s, per lb.

TRADE MARKS

From the "Trade Marks Journal," January 3
For embrocations, ointments and surgical dressings

SPRINGBOK, 690,423, by Peel and Campden Ltd., London, W.2.

For all goods (5).

AVLOX, TETMOX, 691,746-47, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.I. HEXATHATE, 693,556, by Allen & Hanburys, Ltd., London, E.2.

For medicated substances in jelly form containing penicillin (5).

PENCIGEL, 692,877, by Davis, Schottlander & Davis, Ltd., London, W.1.

For insecticides (5).

METCHEM, 692,995, by Metropolitan Chemicals (London), Ltd., London, N.W.2.

For veterinary and sanitary chemicals and insecticides and fungicides (5).

PYBUTHRIN, 693,211, by Cooper, McDougall & Robertson, Ltd., Berkhamsted, Herts.

For non-medicated toilet paper (16).

TOILOK, 689,373, by R. Sculthorp & Co., Ltd., London, E.C.4.

For sponges (21).

VISKA, 680,650, by Kooperativa Forbundet Forening U.P.A., Stockholm.

For soap containers, toilet-powder sprayers, and shampooing syringes (21).

FLAIR, 690,055, by Fraser & Glass, Ltd., London, N.12.

From the "Trade Marks Journal," January 10

For industrial chemicals (1).

SYN-PHORM, 690,668, by Blackburn & Oliver, Ltd., Wigan. POLARIS, 693,762, by Hawes Foulger & Co., Ltd., Beaconsfield MARCHON, B691,068, by Marchon Products, Ltd., London, N.W.4.

For non-medicated toilet preparations (3).

SOFTAL, 687,340, by Anglo-American Distributors (Proprietary), Ltd., Johannesburg. LACTOL, 687,773, by Revlon Products, Corpn., New York. For non-medicated toilet preparations, soaps, detergents and hair lotions, washes and shampoos (3).

MARCHON, B691,069, by Marchon Products, Ltd., London, N.W.4.

For detergents (3).

JUSTENE, 693,487, by Theodore St. Just & Co., Ltd., Manchester. SYNTIUM, 693,640, by Gresolvent Co., Leeds.

For perfumes, cosmetics, hair lotions and dentifrices (3).

DRAGOCO, 691,449, by Dragoco Gerberding & Co., Holzminden/Weser.

For pharmaceutical preparations (5).

PHENURONE, GLUCALBOTT, 683,594-684,207, by Abbott Laboratories, Chicago. BACTYLAN, 688,737, Les Laboratoires Français de Chimiotherapie Société Anonyme, Paris, TEN-SEDINE, 691,838, by Société Modunal, Paris, K. B. SAVAGE and portrait device, 692,162, by Iyin-Oluwa Medicine Stores, Lagos. PENE-

THOLLIN, MYLIPEN, 692,530-866, by C Laboratories, Ltd., Greenford.

For embrocations for treatment of rheuma sciatica, lumbago, arthritis and neuritis (5). DAZILLE, 682,346, by Dazille First Aid plies, London, N.W.6.

For insecticides (5).

HANANE, 686,409, by Pest Control, I Bourn, Cambs.

For medicated salves, ointments and lotions export to Channel Islands (5).
VASOLEUM, 687,799, by Chesebrough M facturing Co., Ltd., London, N.W.10.

For all goods (5).

ANTEPAR, ANTILAN, 689,488-89, by Wellcome Foundation, Ltd., London, N.V DEXTRAVEN, 691,285, by Benger Laborato Ltd., Ipswich. LUCOLEAN, LUCOTO LUCOLATE, 692,725-37, by Lucozade, I Brentford.

PRINT AND PUBLICITY

Medical Leaflets.—Leaflets, folders and bool s are obtainable from manufacturers as li l below:—

ALLEN & HANBURYS, LTD., Bethnal Green, I don, E.2: Control of diabetes mellitus (48 p; Hyperduric injections (14 pp.); dimethyltube rarine iodide, A. & H., Euvalerol-M sedat Hyderduric adrenaline, Seroden p-acetamidot zaldehyde thiosemicarbazone (all 4-p. leaflets); penicillin oral tablets, A & H (2 pp.).

penicillin oral tablets, A & H (2 pp.).

British Schering, Ltd., 229 Kensington H
Street, London, W.8: Enterocide phthalyl sulp
cetamide; Oraviron methyl testosterone, B.P.,;
Testoviron testosterone propionate, B.P. (6-pp.)

EVANS MEDICAL SUPPLIES, LTD., Speke, Liv pool, 19: Heparin physiological anticoagula Heprona tonic (4 pp.); Landrax cytochromiron-porphyrin compound; Neo-Hepatex prot lysed liver extract (8 pp.); and Rondase hyal onidase. A brochure, "Hope Still Remain deals with Hepamino proteolysed whole liver.

GLAXO LABORATORIES, LTD., Greenford, Mide sex: Casinal whole protein food (four book in folder); and streptomycin and dihydrostrep mycin in medical practice (42 pp.).

LONDON CINCHONA BUREAU, 10 Princes Stre London, S.W.1: Quinine and pamaquin in ducing the number of relapses in malaria (16 pp

Story of Tragacanth.—Kimpton Bros., Ltd., Fenchurch Street, London, E.C.3, have issued illustrated booklet dealing with the history, traction, handling and grading of tragacanth.

Industrial Detergents.—An illustrated brochi
"Crossfe'd Detergents in Modern Industry
issued by Joseph Crossfeld & Sons, Ltd., Uniles
House, Blackfriars, E.C.4, describes the use
the company's detergent products in a number
industries. One of the applications is in the was
ing of glass containers.

New Cosmetic Material.—In a 12-p. bookl British Industrial Solvents, Ltd., 4 Cavend Square, London, W., deal with the ester-we base isopropyl myristate, now being manufactur in Britain, and outline its applications in cosme formulation.

from the day baby weighs 15 lbs.



...and every day

until all 20 milk teeth are through

MOTHERS are now being advised to continue giving Farex daily "at least until baby has a full set of milk teeth"... a message that will expand the market for Farex and stimulate still bigger sales.

Why until all the milk teeth are through?

Because the same constituents that make Farex so right for the baby at 15 lbs. equally supply the balanced nourishment essential throughout the early, formative years. Remember, the three cereals in Farex provide protein and carbohydrate . . . its added calcium and vitamin D help to build strong bones and teeth . . . and there is iron for rich, healthy blood.

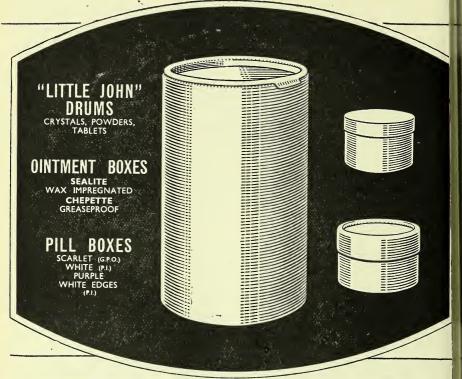
Take advantage of this increased scope for Farex by making full use of the colourful "crowner" that is available on request. Please tell any mother who would like a copy of the informative 16-page booklet, "The Farex Guide to Weaning", to send us her name and address, enclosing a 1d. stamp. And if you would like a copy for your staff, please ask.



n 10-ounce cartons-I I-

For extra profit order Farex Standard Parcel No. 5: 2 doz. x 10 oz. cartons, 181- net.

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX BYRon 3434





For over a century

SCARLET (G.P.O.)

Stock Round Boxes PURPLE for the Chemist

have been manufactured by

ROBINSONS ESTERFI OF FIRST ESTABLISHED 1839 STILL LEADING 1950

All boxes in the above categories are now back to pre-war standard

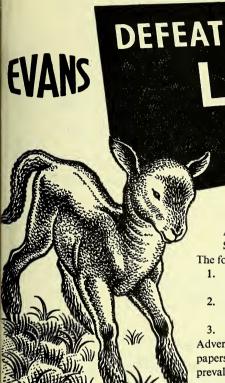
The quality being improved by modern methods of manufacture



Specifications and standards to comply with N.H.S. and B.S.I. Specification

Supplies are available, and your order should be placed through your usual source.

ROBINSON & SONS, WHEAT BRIDGE MILLS, CHESTERFIELD. Groms: 'BOXES' CHESTERFIELD Phone 2101 London Office: King's Bourne House, 229-231 High Holborn, W.C.I Telephone: HOLborn 6383



LAMB DYSENTERY

Ample supplies of Evans Lamb Dysentery Serum are available now.

The following sales aids are being issued on request.

- 1. Leaflets in two colours for distribution to farmers.
- 2. Showcards in two colours for window and counter displays.
- 3. Free blocks in two sizes for local advertising. Advertisements will appear in the principal newspapers in those areas where lamb dysentery is prevalent.

RETAIL WHOLESALE

5 ml. Record Hypodermic Syringes No. V. 29 (Carton) *
5 ml. ", No. V. 27 (Nickel plated case)
5 ml. Hypodermic Needles No. 7a *

Indiarubber teats (white) No. 9a * Indiarubber teats (black) No. 9b *

* Prices upon application

Further information on request from Home Sales Department

EVANS MEDICAL SUPPLIES LTD

LIVERPOOL AND LONDON

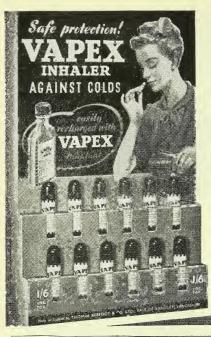
Speke, Liverpool 19 and 50 Bartholomew Close, London, E.C.1.

Glasgow—The New Apothecaries Co., Ltd., 59 Glassford Street, Glasgow, C.1.

Northumberland, Durham and Teeside

Phillips Spencer & Dakers Company, Limited, 35/37 Low Friar Street, Newcastle-upon-Tyne

358



SIMPLIFIED SELLING

of \\the

VAPEX

with this attractive Hanging Display Card

Find it hanging room and the card will do the rest.

THOMAS KERFOOT & CO. LTD.
Vale of Bardsley LANCASHIRE

V291



INDEX TO ADVERTISERS

bbott Druggists, Ltd xi	
ome Vacuum Flask Co vii	
ddis, Ltd26, 27	
llen & Hanburys, Ltd. Cover iii	
lien & Handurys, Ltd. Cover in	
llen, Stafford, & Sons, Ltd. 22	
llied Drug and Chemical Co. iii	
nglo-French Drug Co., Ltd.	
ngio-French Drug Co., Liu.	
Leader Page	
spro, Ltd 18	
ugust's, Ltdxxvii	
ugust s, Little title title	
ailey, R., & Son, Ltd viii	
ayer Products, Ltd i	
ear Honey 8	
eechams Pills, Ltd14, 15	
owring, C. T., & Co. (Fish	
Oils). Ltd	
ox, W. Hxxv111	
rannan, S., & Sons, Ltd viii	
ritish Cod Liver Oil (Hull	
riusii Cod Liver Oil (Hull	
& Grimsby), Ltd 25	
ritish Drug Houses, Ltd., The 9	
ritish Dyewood Co., Ltd.	
uckley-Bowker Tablet Co.,	
Ltd viii	
Tananah Tanana Tah	
urrough, James, Ltd.	
Leader Page	
urroughs Wellcome & Co.	
11, 37	
11, 57	

Cadbury Bros., Ltd	4
Canisters, Ltdxxvi Carnegie Brothers (1949), Ltd. 2	ii
Carnegie Brothers (1949), Ltd. 2	29
Carton Box & Printing Co.,	-
Ltdxxvi	::
Cartwright, W. B., Ltd	6
Cartwright, W. D., Ltd	Ÿ
Castiglione, K., & Co., Ltd. xx	٧ı
Castle Huskisson, Ltd Cover	ΙV
Church & Co. (Fittings),	
Ltdxx	iv
Continental Laboratories,	
Continental Laboratories, Ltdxx	хi
Court Kathleen (England)	
Ltdxxx	vi
Cox, Arthur H., & Co., Ltd.	Ŕ
Craig & Parsons, Ltd	ĕ
Cresswell Bros. Sponges	`:
Crosskills of Norwich	Ÿ.
Cuticura Preparationsxxx	11
Cuxson, Gerrard & Co., Ltd. 2	4

Edge,	Wm., 8	& So	ns, Lt	d	x
Edme.	Ltd				ix
" Elas					
Evans,	Ad!ard	& C	o., Lte	i x	xiv
Evans	Medica	l Su	pplies,	Ltd.	3
Evan	William:	s Co	Ltd	xx	xvi

Fennings, ALeader Page
Ferris & Co., Ltd 10
Ferryman, Herbert, Ltdxxxiv
Fluid Equipment Co., Ltd. xxvi
Franklin, J. G., & Son, Ltd. 10 Franks, A., & Bartlett Co., Ltd
Ltd 22
Freeder Bros, Paper Mills iv
Freudentheil, Smith & Co.
Leader Page

Gale & Mount, Ltd	xii
Genatosan, Ltdxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	ΚXV
Glaxo Laboratories, Ltd Green, Harry, Ltdxxx	1
Ltd	įii
Gross Cash Registers	XIV

Haller Laboratories, Ltd	
Hardy, M. W., & Co., Ltd.	31
Herts Pharmaceuticals, Ltd. 7.	, 30
Hobson, Trimble & Co.,	
Ltd.	cxvi
Hough, Hoseason & Co., Ltd.	36
Huffer & Smith, Ltd	iv
Hy-G-nic Paper Handkerchief	
Co Itd The	17

Haetem, Ltd.Leader Page

(continued overleaf)

The Second Round

The wise folk took their first course f ESOBACTULIN in the Autumn—Ve can now expect them to come in or their second course to lay colds low or the rest of the winter."

The complete course—6 capsules taken over 5 days—is designed to give most people 3 months' immunity from colds.

Retail price 8/3 inc. P. Tax

Supplied through your Wholesaler

33% DISCOUNT—Plus bonus of 13 to the dozen

DUNTER AND WINDOW DISPLAYS NOW WILL BRING RESULTS





SOUTHON LABORATORIES LIMITED

UPPER RINCHIMONIO ROAD, LONDON, S.W.15

ESőBACTULIN

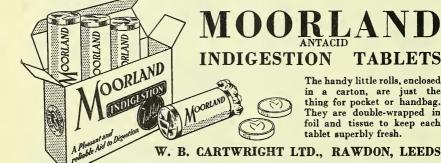
protection against colds

INDEX (Cont.)

Orridge & CoCol, Supp.	Sozol (1924), Ltd
Parkinsons, Ltd	Swan Mill Paper Co., Ltd.
Petrushkin, M., Ltd xxvi Pharmaceutical Laboratori	Taylor, Edward, Ltd Thurear Bolle (Successors),
Geigy, Ltd	Tintex Dyes
(May & Baker), Ltd 19 Pitman, Sir Isaac, & Sons, Ltd xii Porteus, Geo., & Sons (Leeds),	Trapow, D., & Co., Ltd Twinkle Headache Powders
Ltd	Leader I
Potter & Clarke, Ltd 33	United Glass Bottle Manufac- turers, Ltd.
Radiol Chemicals, Ltd 24 Rankin Bros. & Sons Leader Page Rendell, W. J., Ltdxxvii Resuffin, Ltdxxviii Ritchie, George B., & Co 12	Vacco Sales, Ltd
Robinson & Sons	Waide, Thos., & Sons, Ltd Wallis Laboratory, Ltd., The Leader P
Tobulca, Etc.	Waterhouse, Ltd
Sacker's Hygienic Comb Co., Ltd. xi	Whitecross Optical Company, Ltd
Sandoz Products, Ltd 34 Savory & Moore, Ltd 38 Scurr, C. A xi	Woodward, G. O., & Co., Ltd.
Sherley, A. F. & Co., Ltd vii Simpkin, A. L., & Co., Ltd. xxxiv	Wright, Layman & Umney, LtdCover
SongoLeader Page Southon Laboratories, Ltd 5	Zeal, G. H., LtdCover

We'll soon be in a NEW ROLL!

A small display in window or on counter will multiply your sales. Attractive display material is available on request. Most good things nowadays are for export only, but on this occasion we are glad to announce to the Trade that the new improved export pack of MOORLANDS illustrated below, will shortly be available for the home trade.



SMOOTH SELLING...

'Sleek'

liable, waterproof, dirt proof, in fact roof against everything but sales. Sleek' sells fast—there seems to be no nd to its uses. Good supplies are availble. In flesh colour only. Spools retail at /3 for 1" x 2½ yds., 2/- for 1" x 5 yds. nd 3/6 for 2" x 5 yds.

MOOTH & PLIABLE · STAYS CLEAN (Waterproof

DIL RESISTING . NON-FRAYING

HERTS PHARMACEUTICALS LIMITED, Welwyn Garden City, Herts.



Telephone Welwyn Garden 3333

One moment please.

"Busy? So am I. We poor G.P.s are driven off our feet nowadays. But there—it's all in a doctor's day. That brings me to the point. Vitamins Limited are making use of Radio Times for some special Bemax advertising. It started September 22nd and right through to March next your family and eight million others will be seeing me there regularly in an important series, 'All in a doctor's day.'

"If people take the points I shall make about nutrition, I won't be half so busy, but my good friends the Chemists will."

a new BEMAX series in the Radio Times

.. ALL IN A DOCTOR'S DAY



BEMAX

Quantity
Doz. Terms.
1/9 carton at 16/6 *16/- doz.
3/- ", 28/6 *27/3 ",
5/6 ", "5/6 50/- 37/3 ",
**On minimum orders of 3 doz.:
×3/0 or the equivalent in the 1/9 & 5/6

sizes $(1 \times 3/0 = 2 \times 1/9 = \frac{1}{2} \times 5/6)$.

UNIFORMITY and ACCURACY assured by over a century of manufacturing experience



BULK OR PACKED · STANDARD OR SPECIAL FORMULÆ

- QUOTATIONS UPON REQUEST -

ARTHUR H. COX & CO. LTD., BRIGHTON, 7, SUSSEX

More and more people are asking for

VICHY-

CELESTINS



THE WORLD-FAMOUS

Bottled as it flows from the Spring

There is an ever increasing demand for Vichy-Celestins, over 40,000,000 bottles of which are sold annually throughout the world. Showcards and leaflets available to retailers on request.

Sole Agents for the United Kingdom Ingram & Royle Ltd., 50 Manchester St., London, W.1., also distributors of the other famous French Spa Waters—Contrexeville-Pavillon, Evian and Vittel.

BEAR Brand HONEY



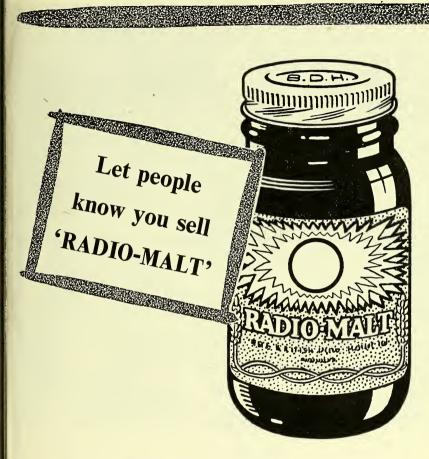
famous for its blending

It's the care and lon experience that g into the blending of Bear Brand Hone that give it the distinctive, unique flavou by which it is so well known—and liked Supplied in 71b. and 5611 tins and in barrels.

L. GARVII & CO. LTD

Isleworth, Middx. Tel.: Hounslow 3483





Capture the interests of children and their parents with the new and novel Radio-Malt showcards.

In addition to the usual bonus terms special display terms are offered to pharmacists who will undertake to install a window display for a specific period.

Remember, Radio-Malt is a favourite with children, thanks to its delicious toffee flavour.

Write to B.D.H. or ask the B.D.H. Representative for details of special terms.

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Rm/T/5

Show 'Elasto'—
It Sells on Sight

The Stockheller TABLET

ELASTO advertising is widespread and consistent. A steady demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' salesaids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. And remember there is ONE SHILLING and SIXPENCE PROFIT on every sale!

'ELASTO'

CECIL HOUSE · HOLBORN VIADUCT · LONDON



REGULAR ROAD DELIVERIES

In the West of England and South Wales Areas

> The House in the West for all Chemists' Supplies

Send us your orders for prompt and careful attention.

FERRIS & COMPANY LTD. BRISTOL

Manufacturing and Wholesale Chemists

Telephone: BRISTOL 21381 Telegrams: FERRIS, BRISTOL



Craftsmanship in Rubber

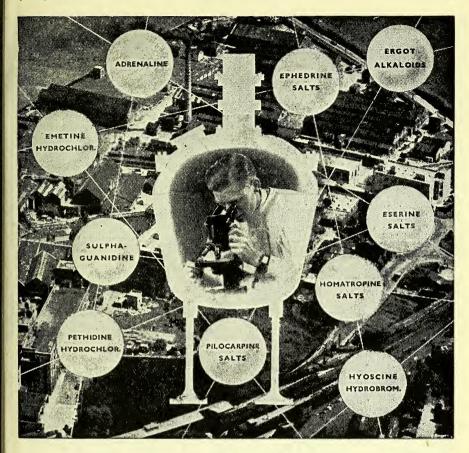
HOT WATER BOTTLES SURGICAL APPLIANCES TEATS and SOOTHERS AIR CUSHIONS SURGEONS GLOVES
SYRINGES
AIR and WATER BEDS
SHEETING

Obtainable only from your usual wholesaler

J. G. FRANKLIN & SONS LTD

INCORPORATING THE WILSON RUBBER CO. LTD.

BIRKBECK WORKS, LONDON, E.8



For over FIFTY years

the Wellcome Chemical Works have been producing chemicals of superlative quality. Many of these can now be supplied to other manufacturers on particularly advantageous terms. Long and extensive experience in the field of chemical manufacture places us in an exceptional position to meet the needs of individual customers. Inquiries should be made to Burroughs Wellcome & Co. at the address below.



B.W. & CO. Fine Chemicals

Burroughs Wellcome & Co. (The Wellcome Foundation Ltd.), Chemical Sales Division, 183-193, Euston Road, London, N.W.1

has countless users. For relieving headaches, colds and 'flu, 'nerve' pains, etc.





advertised in the national and provincial press and backed by attractive 'point of sale' material.

is packed in colourful cartons containing 5, 10, 28 or 64 tablets. The 5's cartons are available on an attractive hanging card.



NOW



STOCKS LIMITED KORAY Works, Bridgend, Glam. Golden Mile

NON-FREEZING

Producers & Refiners

& CO. (FISHOILS) LTD.

Sales Office: 629/30 Tower Building, Liverpool 3 Oil Works & Refinery: Grimsby.

When it's Sundries Think of "Ritchies"!

A few samples from our range: Arch Supports Gillettes

Hypodermic Need-Personna les (Stainless) Dunlopillo Dressings of all

Cushions Electric Blankets

Weighing Machines

Ramer Sponges Spontex Sponges Pill Boxes

Heat-Pads "Agrippa" Teats

Feedrites Dropper Bottles

Scissors of all Types We stock Addis, Halex and Hygex Brushes Scottish distributors of Plim Hypodermic Syringes

George B. Ritchie & Co 249 Buchanan St. Glasgow C.1 Tel: DOUglas 0532/3



PROPRIETARIES SUNDRIES DRUGS TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

Head Office & Works Mansfield Road Derty Telephone 4266 (4 linus) Branch Warehouse Grosvenor St. Ashtonicallyne Telephone 2816 (2 lines)



THOMAS WAIDE & SONS LTD., LEEDS

VENO DRUG CO. LTD

Increased Prices

OWING to increased costs of production and distribution we are reluctantly compelled to announce the following price increases which will apply to all goods invoiced and delivered from St. Helens on, and after, Monday, 22nd January, 1951:—

	SELLING ing Purchase	PRICE e Tax)	LIST per d	
Present	Revised	Product	Present	Revised
1/6	1/8	Veno's Lightning Cough Mixture	11/6	12/9
2/6	2/10	22 22 22 25 25	18/6	21/-
1/6	1/8	Germolene Ointment	11/6	12/9
3/8	4/-	"	28/-	30/6
1/7	2/-	Germoloids	11/9	14/10
1/6	1/8	Phensic	11/6	12/9
3/8	4/-	55	28/-	30/6
8d.	9d.	Germoplast	6/5	7/-
1/4	1/6	99	12/10	14/-

NOTE: There will be no change in the price of broken bulk packs of Phensic which will continue to sell at 4d. per envelope.

(Veno Drug Company Limited is the Sole Wholesale Selling Agent for Phensic Limited).

15

BEECHAMS PILLS LTD

Increased Prices

OWING to increased costs of production and distribution we are reluctantly compelled to announce the following price increases which will apply to all goods invoiced and delivered from St. Helens on, and after, Monday, 22nd January, 1951:—

	SELLING Purchase		LIST per de	
Present	Revised	Product	Present	Revised
1/6	1/8	Beecham's Pills (Original & Smooth Coated)	11/-	12/3
3/8	4/-	22 22 22 22	26/9	29/3
1/6	1/8	Beecham's Powders	11/-	12/3
1/6	1/8	Beecham's Powders Tablet Form	11/-	12/3
1/6	1/8	Phosferine (Tablets & Liquid)	11/-	12/3
3/8	4/-	" "	27/3	29/9
1/6	1/8	Ashton & Parsons Infants' Powders	11/-	12/3

NOTE: There will be no change in the prices of the 6/3 packs of Beecham's Pills and Beecham's Powders and the prices for broken bulk sales from these packs will remain as at present, viz:—

Beecham's Pills 3 'twists' for $3\frac{1}{2}$ d. Beecham's Powders 2 powders for $5\frac{1}{2}$ d.

[Beechams Pills Limited is the Sole Wholesale Selling Agent for Phosferine (Ashton & Parsons) Limited.]



A Line Women Ask for All the Time



When a customer asks not once or twice for a certain line, but all the time, you can usually guess there is something different about it . . . something just a little out of the ordinary.

Many chemists have found this about Silcot. The constant demand has proved to them that Silcot has certain qualities which women do not get in any other towel at a comparable price.

With its soft cotton wool, and smooth knitted covers, Silcot ensures the fullest personal comfort. The stitched loops make Silcot safe and dependable.

That's why women are asking for Silcot all the time. It's a good line for them—and it's a good, profitable line for you.

SILCOT SANITARY TOWELS

MACDONALD & SON LTD.

HOPE MILLS, POLLARD, STREET, MANCHESTER, 4 Ardwick 1561-2



with silky-soft Pastel Shade Tissues ... have now introduced this new and exciting multicoloured dispenser box to match the four delicate shades

of the contents.



THE NEW MULTI-COLOUR DISPENSER BOX

Stock it-display it and increase your sales!

this attractive new pack is selling on sight.

Obtainable from Wholesalers throughout the British Isles.



POPULAR PACK IN THE LAVENDER SHADE DISPENSER BOX in white or peach.

* Also Venus Paper Handkerchiefs in attractively designed cellophane envelopes

THE **HY-G-NIC** PAPER HANDKERCHIEF COLTD GRANVILLE PAPER MILLS, BRETTENHAM RD., LONDON, N.18



the stimulus of a continuous advertising campaign through Press, poster and cinema. The public want to know what a product is—what it does—and advertising tells them. It is this which makes all the difference between the worthwhile line and the "once-in-a-while" line. It is this which creates an ever-greater public demand for 'ASPRO'. You get the benefit of this demand to the full by continuously displaying 'ASPRO' in window or on counter. It is a fact that

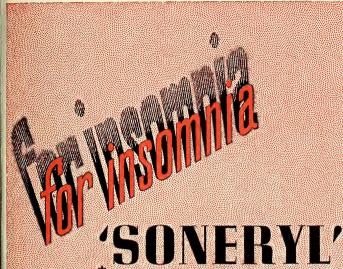
ASPRO DISPLAYS BRING IN NEW BUSINESS



chemists who have already installed it.

NOTE:—These clocks are not suitable for use en
D.C. mains, but in such cases we can supply en
8-day Smiths lever-movement clock at £3 [5s. 0d.

Made by
A ASPRO LIMITED, Slough, Bucks



the original brand of butobarbitone has long been established as the hypnotic of choice, and enjoys the complete

confidence of the physicians who prescribe it. 'SONERYL' is

supplied as follows

* trade mark

TABLETS

containers of

12 x gr. 1½ ls. 6d.

25 x gr. 13 2s. 0d.

100 x gr. 13 6s. 9d.

500 x gr. 1½ 30s. 0d.



Subject to normal discounts

manufactured by

MAY & BAKER LTD

distributors """"

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

LLOYD'S ADRENALINE

Now that our productive capacity is 18½ times what it was last July, Pharmacists should have no difficulty in obtaining supplies from their wholesalers at reasonable notice.

And that increase has enabled us to advertise as we have wanted to for months. The People, Sunday Pictorial, Empire News, Sunday Chronicle, Sunday Graphic, Daily Herald, Daily Mirror and Daily Graphic are just a few of the National papers holding regular orders, in addition to over 190 of the strongest morning, evening and weekly newspapers throughout the country.

Make sure you have adequate stocks to meet the demand this advertising will create.

THE ONLY ADRENALINE CREAM PROVED SATISFACTORY IN THE CLINICAL RESEARCH WHICH ESTABLISHED THIS NEW THERAPY

CREAM IN PRACTICE

A TYPICAL PROFESSIONAL LETTER

Dear Sir, importance best way in which I a special of this Cream which I a special of lumbago six to give fine that I was The best way in which I can tell you of the cream in massage is to give you Importance of this Cream in the details of a lypical case of lumbago to sive your that I was Winchmore Hill, called to selected so selected so selected to the selected so sele called to ye or a 1/2 and and a crippling pain in the lumbo sacral was affard to sit or all ack she was lying in very great four hours after the atment of the by me was to move. lay down. e could not get when I arrived up and was afraid to sit or afraid to sit or afraid to the infra The Irealment of the infra red fament given by the was 20 mins, or the application of the applicat The treatment given bain afraid to the application of adrenatine

sitting Within ann
low in half
and in the with half
and in the with half
carry oback no acute our of my application of and the with and very an but just a st, she and on my trolley of adrenatine except that to get up

to the state of the st (sgd) G. L. M.Phys.A. L.P.M.E.

Over 80 leading Hospitals are using Lloyd's Adrenaline Cream

The list of Hospitals buying Lloyd's Adrenaline Cream direct from us is now over 80. There must be scores more buying through other channels in addition to private Doctors and professional Physiotherapists. They know that Lloyd's is the only proved Adrenaline Cream.

Sole Manufacturers:

Howard Lloyd + Co.Ltd.

ASFORDBY STREET, LEICESTER

Makers of Fine Pharmaceuticals to the Medical Profession since 1880

Chlorophylls



OIL SOLUBLE MEDICINAL WATER SOLUBLE

These fine quality products are manufactured under strict scientific control and to standardised colour strengths. Samples will gladly be sent on request.

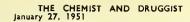
StaffAllenS

STAFFORD ALLEN & SONS

WHARF ROAD, LONDON, N.I. ENGLAND

Telephone: CLErkenwell 1000 (7 lines)
Telegrams: "Stafalens, Nordo, London"

Cables :-- "Stafalens, London"



23

Flattery

You do more than sell eye-protection with Thurgar Bolle sunglasses. You flatter someone's vanity—always good business.

The intriguing 1951 models, fitted with Crookes precision lenses, will again set the fashion in protective eye-wear in all parts of the world.

Advertised in principal fashion and women's journals. Order early from your wholesaler in time for Spring Trade.

NEW MODELS

NEW FREE DISPLAY CABINETS.

Thurgar Bolle

SUNGLASSES

Such comfort - such elegance

THURGAR BOLLE LTD., ORIENT HOUSE, WELLINGBOROUGH, NORTHANTS

Telephone: Wellingborough 2415

London Showrooms: 96 Regent Street, London, W.I

CUXSON GERRARD PRODUCTS CURRENT PRICES

Since the beginning of the year there have been numerous price alterations. We quote below current retail and trade prices of a few BEST SELLERS.

Retail

"CARNATION"	1/11d box	7/6 doz.
CORN CAPS	(inc. tax)	(+ tax)
"ADAPTOPLAST"	9d and	6/5 and
FIRST AID DRESSINGS	1/6 tin	12/10 doz.
"SANOID" BOIL	1/6 tin	9/9 doz.
TREATMENT	(inc. tax)	(+ tax)
"COMPACTOID"	1/1 tin	7/6 doz.
BOIL PLASTER	(inc. tax)	(+ tax)
"CELLANBAND" ZING		
PASTE BANDAGE		27/- doz.
"SYLVIA" SANITARY	TOWELS	,
size 0	2/4	21/6 doz.
,, 1	2/81	24/6 ,,
,, 2	3/2	28/6 ,,
,, 3	3/10	33/- ,,
"ALTEX"		
SANITARY TOWELS	2/4	21/- ,,

Send for the latest Price Lists of

(A) Surgical and Medical Plasters

(B) Surgical Dressings

(C) Sanitary Towels

PLEASE QUOTE WHICH REQUIRED

PRODUCTS OF

uxson Gerrar **OLDBURY** BIRMINGHAM

TELEPHONE: BROADWELL 1355 (4 LINES)

GOOD NEWS

Radiol Chemicals Ltd. have pleasure in announcing that as from 1st February 1951, an extra 10% retail discount will be allowed on all Radiol Veterinary Products. Increased demand, both at home and overseas, has made this possible. May we ask your co-operation by maintaining ample stocks of our products, so helping us to continue this extra discount indefinitely?

RADIOL VETERINARY PRODUCTS

Radiol B-R Healing Jelly Canine Vi-Minerol Kidney Powders for

VANdyke 2692

Radiol Leg Wash Radiol Worm Powders

Bone-Radiol Vi-Minerol Kidney Powders for Horses

Dogs Radiol Electuary Radiol Physic Powders Powders Stevens' Ointment (Blister)

Trade enquiries to:

RADIOL CHEMICALS LTD.

78 Upper Richmond Rd., London, S.W.15 Phone: RADIATONAL, Van, London



and Kay's Compound Pastilles in 50/- lots Mixed parcels are very profitable

3 doz. I/7 Kay's Linseed Compound @ 10/3 doz.

3 doz. I/II Kay's Compound Pastilles @ 12/- doz.

Add Purchase Tax

Selling Price - £6

1 16

£4 10

From your wholesaler or direct from Y BROTHERS LTD., REDDISH. STOCKPOR



... exists for you to share in increasing prosperity from a new and widening market. Everywhere, today, more people are learning to appreciate the value of Cod Liver Oil as the most popular supplementary source of fats and vitamins.

SevenSeaS advertising, in press, poster and cinema, is being increased to build up public interest . . . let it work for *you* also.

A striking window display like this will bring customers into your shop and turn their interest into sales. Write today for these eye-catching SevenSeaS showcards and special window display material.

SEVENSEAS

PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Limited, St. Andrew's Dock, Hull

WOPE GREES AND THE NATURAL BRISTLE TOOTHBRUSH

Why Wisdom's price must be increased

AS MOST chemists will be aware, the supply position of best-quality bristle for toothbrushes has been steadily deteriorating for some months.

This type of bristle comes almost entirely from either Soviet Russia or Communist China, both of which now operate their trade as state monopolies. As a result, the small quantity of top quality bristle now

reaching the market is available only at very high prices. The only other important source of bristle is India, but unfortunately the Indian bristle is of poor quality and not suitable for first grade toothbrushes.

Manufacturers are thus faced with the choice of lowering their standards of quality or raising their prices.

Ever since William Addis made the first toothbrush in 1780

this firm has put quality first and it is our proud boast that nothing but finest quality Chungking and Siberian bristle has ever been used in a Wisdom brush.

This boast we still intend to make good. In fact, rather than lower the quality of the Wisdom bristle toothbrush by mixing in Indian or other inferior bristle, we will withdraw it from sale.

Fortunately, this drastic step is not yet necessary, but we have been forced to take the almost equally unpleasant step of raising our price.

The new retail selling price is 2/9d. (including tax). The new cost to you is 17/11d. per dozen (plus tax) for quantities less than 6 dozen; 17/6d. for 6 dozen and

over; 17/1 for 1 gross and over; 16/2d. for 2 gross and over.

Wisdom Extra, in nylon, remains at 1/11d. This price, which includes Purchase Tax, is lower than the price of equal quality brushes in 1939, when there was no purchase tax.



Wisdom

THE DE LUXE TOOTHBRUSH IN NATURAL BRISTLE AND NYLON

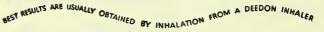
MADE BY ADDIS LIMITED, MAKERS OF THE FIRST TOOTHBRUSH IN 1780

BROVON Asthma INHALANT

Brovon Inhalant combines the rapid action of adrenaline with the slower but more persistent action of atropine methylnitrate and papaverine. An excellent example of synergism, it has proved to be an ideal combination for the relief of asthma and the bronchiolar spasm often present in chronic bronchitis and emphysema.

Already well recognised for the relief of asthma, Brovon Inhalant is being widely advertised to the medical profession. It is a reputable preparation for which pharmacists may expect an ever-increasing demand.

Supplied inhottles of $\frac{1}{2}$ oz. 7/6; I oz. 13/6; 2 oz. 26/3; 4oz. 51/- Exempt from purchase tax.





MOORE MEDICI LONGON OFFICE: 64 GLOUCESTER PLACE, W.L.

Better



Value

SOLUTION TABLETS

- Acetarsol B.P.C., N.F.
- Benzamine Co., B.P.C., N.F.
- Mercuric Chloride B.P.C., N.F.
- Mercuric Iodide B.P.C., N.F.
- Mouthwash

- Nasal Alkaline B.P.C., N.F.
- Penicillin N.F.
- Potassium Permanganate B.P.C.
- Proflavine B.P.C., N.F.
- Sodium Chloride
- Thymol Compound

Quality and reliability is maintained by the supervision of pharmacists at all stages.

Quotations on request.

Supplies available from stock.

Supplies of a complete range of Pills , Tablets , Capsules, Lozenges and Suppositories.

LONDON TELEGRAMS: PILLEOLUM, SEDIST, LONDON . TELEPHONE: HOP

CARNEGIE

Manufacturing Chemists

'CARNEBROS BRAND'

AESCULIN

HYOSCINE HYDROBROMIDE

ALOIN.

IODIDES

AMIDOPYRIN

LITHIUM SALTS

ATROPINE & SALTS

P.A.S.

BARBITURATES

PHENAZONE

BISMUTH SALTS

PODOPHYLLIN RESIN

BROMISOVALERYLUREA

QUININE & SALTS

CAFFEINE & SALTS
CHLORAL HYDRATE

SALICYLATES
SANTONIN

CHRYSAROBIN

CITRATES

STRYCHNINE & SALTS

EPHEDRINE & SALTS

THEOBROMINE & SALTS
THEOPHYLLINE & SALTS

ESERINE & SALTS

ETC.

CARNEGIE BROTHERS (1949) LTD

VELWYN GARDEN CITY: HERTFORDSHIRE: ENGLAND ELEGRAMS: 'CARNEBROS' WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 (4 lines)

A 'CARNEGIES OF WELWYN' COMPANY

TELLING MORE PEOPLE

Skin needs care ...

on There is no finer cream than Nives . it penetrates

For older children, Nivea prevents chafed skin and

happed hands and they love its soft, cool smoothness. Nivea is a bland all-purpose cream for your own cosmetic uses

Skin needs

Nivea, Nivea, Nivea... in the press, on the posters, in fashionable magazines, favourite home weeklies, famous medical journals. Thanks

to a powerful advertising policy your job of selling becomes more and more a matter of stocking up to meet the ever and always increasing demand for Nivea: Nivea the all-purpose skin

Nivea the all-purpose skin cream, Nivea for the nursery, Nivea for the surgery, and Nivea, a beauty essential.





GNT9

SELLING MORE NIVEA

HERTS PHARMACEUTICALS LIMITED, WELWYN GARDEN CITY, HERTS.

FOR HOME & EXPORT

META AMINO PHENOL 99/100%

PAS ACID
PAS SODIUM
PAS CALCIUM

In Bulk and Tablet forms

SULPHA DRUGS

EPHEDRINE HYDROCHLORIDE

SULPHONE D.D.S

MERCURY SALTS

PEPSIN

CHLORAL HYDRATE



★ We can supply these and many other drugs advantageously.

M·W·HARDY & CO. LTD

PINNERS HALL-GT WINCHESTER ST-LONDON-EC.2

TELEPHONE: LONDON WALL 7/31

DOLGERAL RADE MARK

PRICES REDUCED

FROM 1st March the retail prices of Dolcin to the public will be reduced as follows:—

100 Tablets 7/6 inc. P.T. 500 , 33/9 , P.T.

From the 1st February the following trade prices will become operative:—

```
Per Dozen

Dolcin 100's - - - - 54/- + 18/- P.T.

,, 500's - - - - 243/- + 81/- ,,
,, 600's (Dispensing Pack) - 288/- + 96/- ,,
```

The phenomenal success which Dolcin has achieved, has enabled economies in production and distribution to be effected and these are being passed on to the public.

Dolcin has proved its effectiveness in relieving the painful symptoms of Rheumatism and other rheumatic ailments, and is prescribed by Doctors. You can recommend it to your customers with confidence.

We shall be pleased to supply on request price reduction attachments for existing display pieces. An interesting selection of restrained and distinctive display material is always available. Write to us at the address below.

Please order DOLCIN from your wholesaler

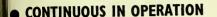
Sole Distributors: TAMPAX LTD., 110 JERMYN STREET, LONDON, S.W.1.

No. 2A STEAM HEATED output 8 gailons per

hour

AUTOMATIC WATER STILLS

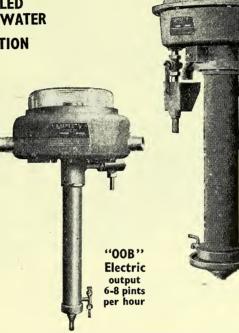




HIGH QUALITY DISTILLED WATER

LOW COST OF OPERATION

EASILY CLEANED



"OB"

ELECTRIC output 3 pints per hour

THIRTEEN MODELS AVAILABLE HEATING by

GAS, ELECTRICITY, STEAM AND PARAFFIN

FULL DETAILS GLADLY SUPPLIED

MANESTY MACHINES LTD.

DEPT. 5, SPEKE, LIVERPOOL 19

Telephone: HUNTS CROSS 1972

Telegrams: MANESTY, LIVERPOOL

Garlic Therapy of Gastro-intestinal disorders . . .

Diarrhoea
Dyspepsia
Flatulence
Meteorism

is carried out in a modern form with

ALLISATIN

Allisatin tablets contain 1 Gm. fresh garlic adsorbed on activated vegetable charcoal in a concentrated, odourless and tasteless form. Allisatin absorbs intestinal toxins and suppresses the pathological intestinal flora.



SANDOZ PRODUCTS LTD

134, Wigmore Street

London, W.1

CITRATES



POTASSIUM CITRATE B.P. SODIUM CITRATE B.P.

IN CRYSTALS OR POWDER. SMALL OR LARGE QUANTITIES.

Contract terms supplied on application.

POTTER & CLARKE LTD

60-64 ARTILLERY LANE, LONDON, E.I. Phone: BISHOPSGATE 4761 Grams: Horehound, Phone, London.

77 DANTZIC STREET, MANCHESTER 4 Phone: BLACKFRIARS 8734 Grams: Horehound, Manchester

62 ORBISTON STREET, MOTHERWELL
Phone: MOTHERWELL 1413 Grams: Horehou Grams: Horehound, Motherwell

Agents in Northern Ireland:
HAROLD MITCHELL & Co. Ltd., 321 Grosvenor Rd., BELFAST. Tel. 24356

Kiddies love it! Mothers praise it!

. . and it's a fine selling line!

A sound therapeutic preparation too, which you can confidently recommend for kiddies' coughs and colds, well knowing that its delicious flavour (FERUTE contains real black-current and raspherry juice) will earn you

currant and raspberry juice) will earn you favour with the children and grateful thanks from worried mothers. FERUTE is a real "good-will" builder. Never sticks on the shelves. Repeats and repeats and repeats and repeats. Truly a happy "till tinkler"!

FERUTE COUGH SYRUP

Contains real Blackcurrant and Raspberry Juices

Order a dozen or so to-day! 2 sizes: retailing at 1/8 inc. tax and 2/11 double quantity. Can be mixed with your order for Zac Baby Products and other "Hough Hoseason" Packed Pharmaceutical Preparations, to qualify for best available quantity terms.



Made by the makers of 2AC Baby Roducto



SOLE AREA SELLING AGENTS

S.W. ENGLAND - - Messrs. J. R. Gibbs Ltd., Paignton, Devon
MIDLANDS - - - Messrs. John Knox (Stoke-on-Trent) Ltd., Stoke
EAST ANGLIA - - Messrs. East Anglia Wholesale Supplies Ltd., Norwich
GREATER LONDON - Messrs. Allied Drug & Chemical Co., London, N.W.I
NORTHERN IRELAND - Messrs. George Crawford (Belfast) Ltd., Belfast

HOUGH HOSEASON & CO. LTD.

Levenshulme, Manchester 19

now 'ALVOSEN

What is 'Alvosen'?

'ALVOSEN' is the new registered name for 'Tabloid' brand Alkaline Compound Effervescent.

Is 'Alvosen' different?

It differs from the old 'Tabloid' product in name and pack only. Its excellent formula, tried and proved through the years, is unmodified. Its pack, in keeping with its improved title, is attractively modern — a screw-capped tube in a carton of B. W. & Co. blue.

How is 'Alvosen'

issued?

Each tube contains 25 compressed products and retails at 2/6 plus 7¹/₂d. p.t. (subject to usual discount). Ample supplies are available.

What does 'Alvosen'do?

'ALVOSEN' corrects acidity. One product in a tumblerful of water, forms a clear, sparkling, alkaline draught.



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON





get yourself a bottle of **(ILKOF**

You get a bigger percentage of profit on Kilkof than on any other top-selling cough mixture today. A dozen bottles of Kilkof cost you 10/3d; you retail them at 1/6d. a bottle; while nationally advertised "Croaky" is building up more and more demand.

Famous names from a famous House

PARKINSONS

MANUFACTURING CHEMISTS . BURNLEY

AIDS TO TREATMENT

AMECHOI.

An effective parasympathetic stimulant, of especial value in vasospastic conditions of the extremities; Raynaud's disease; schleroderma; varicose, indolent and gangrenous ulcers and auricular paroxysmal tachycardia.

E.S.T.P

(Martindale)

The original colourless Coal Tar Cream with all the therapeutic advantages of crude coal tar. An invaluable anti-pruritic in all forms of eczema, pruritus, psoriasis, occupational der-matitis, etc.

DICODID

For use in the symptomatic treatment of cough. A selective antitussive with a cough-depressant action more prompt and more prolonged than that of codeine. Well tolerated and nonconstipating.

THEOSOI.

A new combination in the treatment of obesity. Based on reasoned and scientific principles, it is designed to assist both physically and mentally in attaining a low-calorie diet without undue effort.





In pregnancy, lactation, fever, and particularly in convalescence, the need for supplementing vitamins can conveniently be met by prescribing 'Betaxan' Compound. The preparation combines vitamins B₁, B₂, C and nicotinamide, and is available in tubes of 20 pellets and in bottles of 100, 250 and 1000. 'Betaxan' is known overseas as 'Vitaxan'.

'Betaxan-compound'

trade mark - brand of vitamin compound

BAYER

PRODUCTS LTD Africa House Kingsway London W C 2



Invaluable for the weekly wash, washing-up and general household cleaning. Retails in big 20 oz. bottle at 1/6.







KATWUK

M.V. SOCIETEIT YOOR CHEMISCHE INDUSTRIE

"KATWIJK"

KATWIJK - ANN - ZEE HOLLAND

Producers of

CAFFEINE AND SALTS

CYCLOBARBITONE (ACID & CALCIUM SALT)

THEOBROMINE AND SALTS

PENTAMETHYLENETETRAZOL (Syn. LEPTAZOL B.P.)

DIPHANTOINE (DIPHENYLHYDANTOINE) PURE, SODIUM AND CALCIUM

London Agents:

GREYER, BRECHEISEN & Co., Ltd. BUSH LANE HOUSE, CANNON STREET, LONDON, E.C.4.

Telephone: MAN 9030



Boxed for your counter

THE TOILET ROLL THAT SELLS ON SIGHT

The Everest is the attractively cartoned toilet roll you can place on your counter—where housewives can pick it up, and buy, without embarrassment. They welcome it for the protection it gives the family—a scientifically hygienic toilet tissue, strong yet gentle, carrying the Certificate of the Royal Institute of Public Health and Hygiene, Advertised regularly in women's magazines and in buses throughout the country.

Why not carry

Your customers will be pleased to!

This is a product of KITTYBREWSTER (PAPER) LIMITED Kittybrewster Works, Aberdeen

Also makers of Silver Silk, Med-O-San, Captis and Tartan Brand Toilet Rolls



TWELVE PHONE LINES at your service .

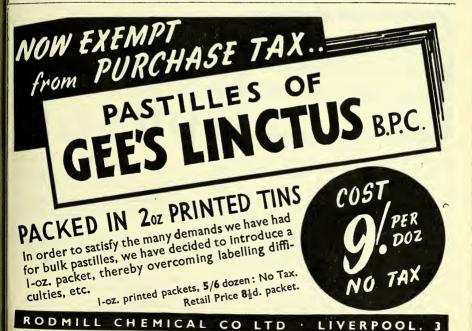
An efficient, courteous and prompt DELIVERY for GREATER LONDON and the HOME COUNTIES 'PHONE EUSTON 2524

Ever increasing stocks of Patents, Toilets, Sundries, Packed Goods and Ethical Products of well known houses:—Allen & Hanburys, Anglo French Drug Co., Bayer Products, British Drug Houses, British Schering, Burroughs Wellcome, Ciba Labs., Crookes Labs., Gedeon Richter, Glaxo, Ortho Pharmaceuticals, Organon, Parke Davis Co., Roche Products, Sandoz, Sharp & Dohme, John Wyeth & Bro., Etc., Etc.

THE

ALLIED DRUG & CHEMICAL CO. ROBERT STREET, LONDON, N.W.I

Insulin, Streptomycin, Penicillin, also D.D.A. Preparations In Stock





PHARMACEUTICAL CHEMICALS ALKALOIDS · DRUGS · OILS

Manufacturers of

BENZOCAIN BENZONAPHTHOL **D-AMINO BENZOIC ACID D-NITRO BENZOIC** ACID THEOPHYLLINE and SALTS

CROYDON, ENGLAND

Telephone: THORNTON HEATH 4266-7

Telegrams:

HAHU, CROYDON SANTONINIC CROYDON

FOR DESTROYING RATS and MICE HALLER'S EXTRACT OF SOUILL

is always in demand as it is a standard product, controlled by Bio-assay tests.

For the destruction of Beetles, Cockroaches, Crickets, etc., USE

"DANZO BEETLE POWDER"

"CADOG"

Parasiticide and Insecticide in liquid form destroys all kinds of noxious insects:-Bugs, Lice, Fleas, Moths, etc.

Address all enquiries for preparations for the destruction of Domestic Pests to 1-

HALLER LABORATORIES, LIMITED 325, BOROUGH HIGH STREET, LONDON, S.E.I

Take it from me these products PULL THEIR WEIGHT

Satino

TOILET

Satino Toilet Paper in rolls and Inter-leaved Super soft in boxes -Backed by Nation wide publicity.



KWICK-DRY

HOUSEHOLD TOWELS

A Boon to every house wife. Supplied (Perforated) in rolls.

Further details from address below.

Details and Samples can be obtained from the

manufacturers: Brimsdown · Enfield · Middlesex Telephone: HOWard 1847 (5 lines) Telegrams: Sylkecrepe, Enfield, Middlesex

PREEDER BROTHERS PAPER MILLS

CRUDE DRUGS

ESSENTIAL GUMS

OTTS

WAXES

Brome & Schimmer

WHOLESALE DRUGGISTS

BOTANICAL DRUG AND SPICE IMPORTERS DRUG AND SPICE MILLERS

7 LEATHER MARKET, LONDON, S.E.I

WATERHOUSE

For Fine Shop Fittings

Head Office:

BULL BRIDGE, ACCRINGTON, LANCS.

Telephone:

ACCRINGTON 4238-9

TANNIC ACID

(Bulk Supplies Only)

AND DERIVATIVES

THE BRITISH DYEWOOD COMPANY LIMITED
19 St. VINCENT PLACE, GLASGOW, C.I

dott. INVERNI & DELLA BEFFA—99, Via RIPAMONTI-MILAN (ITALY)

MANUFACTURERS OF

L-ASPARAGIN

MEDICINAL PLANT EXTRACTS—MALE FERN EXTRACT
GARLIC OIL, JUNIPER BERRY OIL

Samples and quotations on request

There's lots and lots of Rheumatism about!

And plenty of demand for the most reliable general remedy of all—Curicones.

With its present up-to-date formula, it is a remedy you can recommend to all your Rheumatic customers.

This time of year a small counter show of Curicones will bring quite a nice extra trade, while obviously no chemist should ever let himself run out of stock of either the 5/6 or the 26/5 size.

we still have small supplies left of our novel "weather indicator" showcard. It is most effective and surprisingly accurate. Send us your name and address for one and see the interest it attracts.





AND



STEPHEN MATTHEWS & CO., LTD. 19/21 Farringdon Street, London, E.C.4

NORVEX TOWELS

We regret having to advise an increase in the prices of all our Towels in common with other manufacturers. Our prices for our—

"POPULAR" QUALITY

which is an All Wool Towel are as follows:—

No. 0 2/2

No. 1 2/6 No. 2 3/1

No. 3 3/10

No. 4 4/6

Silky Soft Knitted Covers with Stitched Loops

SEND YOUR ORDERS TO—

CROSSKILL'S OF NORWICH

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

SURGICAL BELTS
TRUSSES AND SUNDRIES

Over 50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Nottem



SALES are **CERTAIN!**

-SO KEEP UP YOUR STOCKS OF SHERLEY'S LACTOL

The public have been told that dealers hold limited supplies of LACTOL. We shall do our best to meet all enquiries from the Trade-but ask vou to take a forward view, as far as possible, respecting your requirements. Where there are stocks, sales are certain-so keep up your stocks.

SHERLEY'S LACTOL

in two sizes retailing at 3/6 and 12/6

LTD., 16-18 MARSHALSEA ROAD, LONDON, S.E.I F. SHERLEY



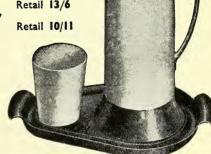
'STANDARD' MODEL

Supplied in Assorted Colours

Superbly finished and always reliable

Retail 4/11





ACME VACUUM FLASK Cº PHOENIX WORKS, BRIDGEND, GLAM.

AN ALL COTTON WOOL PRODUCT OF REPUTE



SUPERFINE QUALITY
ALL WOOL SANITARY TOWELS

LOOPED ENDS
NON-ABSORBENT BACK
WHOLESALE ONLY

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT

BRANNAN THERMOMETERS

CLINICAL - HOUSEHOLD - INDUSTRIAL When ordering Thermometers, insist upon Brannans—made by highly skilled workers at Britain's most modern Thermometer Factory.



COMPRESSED MEDICINAL TABLETS

made to any Shape or Size up to $1\frac{1}{2}''$ and supplied packed or in bulk

ALSO

CONTRACEPTIVE FOAM TABLETS

in the production of which we have extensive and specialised experience

★ Private Formulae Compounded by Experts ★

ENQUIRIES INVITED

+

BUCKLEY-BOWKER TABLET CO. LTD.

29 PARKFIELD STREET, LONDON, N.I

Telephone: CANonbury 3401

ESTABLISHED OVER A QUARTER OF A CENTURY



DME LIMITED, IMPERIAL HOUSE, 84-86, REGENT STREET, LONDON, W.I hone: Regent 5563-4. Grams: Edme, Piccy, London. Works: Mistley, Essex



IN THE
CHEMIST
& DRUGGIST
TRADE

EVERYONE'S READING

RESSWELL BROTHERS' NEW BROCHURE
RIGHTEST AND BEST ILLUSTRATED PRICE
ST OF NATURAL DEEP SEA SPONGES

Send for illustrated leaflet showing our full range of attractive sales-producing sponge-boxes.

RESSWELL BROS. SPONGES

(WORLD NATURAL SPONGE SUPPLIERS LTD.)
INTERNATIONAL BUILDING

JCK STREET, CAMDEN TOWN, LONDON, N.W.I Gulliver 5462-3 Grams: Sponge, Norwest, London

JACQUESIL FABRICS

LTD

RED BANK MILLS, RADCLIFFE, LANCASHIRE

makers of the famous

"DAWN" FACE CLOTH

introduce a

NURSERY BATH SET

complete with Nursing Apron (with four pockets)

face cloth, sponge cloth and baby towel in attractive pack

A USEFUL ADDITION TO THE CHEMIST'S RANGE

Wholesale and Export only

London Representative:

G. H. BOLTON, 45 CITY ROAD, E.C.I

THE EXTENSIVE NEWSPAPER ADVERTISING CAMPAIGN FOR

EGG PRESERVATIVE

WILL CREATE A GREATER DEMAND!

Wise retailers will be prepared to meet

this by ordering

their stocks





Trade terms on application to the manufacturers :-

SOZOL (1924) LTD.

2, Copthall Buildings, London, E.C.2

Grams: "YUSOZOL, STOCK, LONDON" Tel: MON

Come shortagecome plenty

there will always be a big demand for



the finest toilet tissue

Always the same strength and soft texture, Softex now comes in a NEW PACK. Recent tests made by Swan Mill have shown that it's the design your customers prefer. Display Softex in its new pack all the time and keep your customers Softex-minded. Thus, during a time of shortage, you can prepare for a time of plenty.



CURRENT SOFTEX PRICES SOFTEX1/6 SOFTEX INTERLEAVED ...1/2

Britain's Trusted Brand

SWAN MILL PAPER CO. LTD. 92 REGENT ST. LONDON, W.I. Tel REGent 0422 TOOGOOD'S EXTRACT

A delightful and Refreshing Medicated Pine Preparation

* * * * * *

No. 8878 in attractive Pyramid Shape Bottle 19/6 doz. Plus 33 P.T.



OUTSTANDING BONUS OFFER

With every order for 3 doz. bottles we will supply 6 bottles FREE or with every order for 6 doz. bottles we will supply 15 bottles FREE

ORDER NOW!

WILLIAM TOOGOOD LIMITED 5 St. NORBERT ROAD, BROCKLEY, LONDON, S.E.

- Phone: NEW CROSS 3533 (2 lines) -

DRUMMER DYES-

Successful home dyeing leads the way for

Successful Sales

WILLIAM EDGE & SONS LTD. BOLTON



TABLETS

The best method of prescribing the valuable synergistic A.P.C. combination

Dispensing pack 75 for 2/6 Tax Free Retail Counter Packs 10½d. 1/9 and 3/3

- Will not constipate
- Well tolerated by patients liable to gastric upset.
- Rapid and prolonged antipyretic and analgesic action.

FORMULA

Acid Acetysal - 2½ gr. Calc. Phos. - 2½ gr. Phenacetin - 2½ gr. Phenolpthalein 1/12th gr. Caffeine - I gr. Amylum - I gr.

ABBOTTS DRUGGISTS LT D

38 Kilburn High Rd., & Iverson Rd., London, N.W.6

GOOD SERVICE

in the North East;

NORTHUMBERLAND, DURHAM & N. YORKS
VAN DELIVERIES



Drugs, Galenicals, Tablets, Pills and Capsules. Ethical Proprietaries, Patents, Surgical Dressings and Sundries. Fine and Analytical Chemicals. Scientific Apparatus and Glassware.

We shall be pleased to send our new proprietary list on application.

Middleton & Co. Ltd.

MANUFACTURING CHEMISTS

BOUNDARY ROAD, MIDDLESBROUGH
TELEPHONE MIDDLESBROUGH 3207-8-9

WE WANT

Sie Manufacturers: JEFFREYS,

IILLER & CO. LTD., Leyland Mills,

Vigan, (London Dept. 19 Brookside Rd. N.19)

BECAUSE OF THE BUTTERSCOTCH FLAVOUR

OPTICAL TUITION

For the S.M.C., B.O.A., I.C.O., and N.A.O. DIPLOMA Examinations

Particulars:—
C. A. SCURR,

F.S.M.C., F.B.O.A., F.N.A.O.,
D. Opt. F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

Now Available

SACKERS HYGIENIC

Will remove Nits, Vermin
All Enquiries from hair and scalp
SAQUERRE LTD. 62-64 BROOK STREET, LONDON, W.I



The remarkable success of the "Crai way" Corn Plane is due to the new principle involved. The angle of the blade is the secret. This new and profitable line only needs showing to SELL!

Individually packed

DISPLAY CARD OF 18

RETAIL 2/2 PRICE

15/4 per dez. plus Purchase Tax Usual discount to Wholesslers

CRAIG & PARSONS LTD., 82, Stafford Road, Wallington, Surrey

Tenth Edition

Dispensing for Pharmaceutical Students

By John W. Cooper, Ph.C., and Colin Gunn, B. Pharm., Ph.C. This popular book has again been revised and is now completely in accordance with the British Pharmacopoeia, 1948. It is one of the most widely used textbooks in this field, particularly among students preparing for the qualifying Examinations of the Pharmaceutical Society. It includes useful information on the technique of sterilization and aseptic manipulation. Illustrated. 16/- net.

Pitman

Parker St., Kingsway, London, W.C.2

CORIANDER OIL

CARAWAY OIL

JUNIPER BERRY OIL B.P.C.

GALE & MOUNT

LTD.

37 ROTHSCHILD ROAD LONDON, W.4

Telephone: CHIswick 6628/9

Special Announcement

ROZALEX OINTMENT

for preventing chapping, cracking, roughness of the skin

NOW AVAILABLE IN TUBES

RETAILING AT 2/6 (INC. P.T.)

From your usual wholesaler. Trade discount 333%

ROZALEX LTD., 10 NORFOLK ST., MANCHESTER 2

Tintex

IS THE WORLD'S LARGEST SELLING HOME DYE

BECAUSE it maintains quality and reliability

BECAUSE it embodies latest scientific discoveries

BECAUSE it justifies all Its claims

BECAUSE it's the finest dye that money can buy

Lintex DYES

IZAL TOILET ROLLS

Price Announcement

The manufacturers of Izal Toilet Rolls and Izal Interleaved Packs announce that they have been compelled to revise the prices of these products to the following:

IZAL TOILET ROLLS

148/- per gross plus P.T. - 1/8d. Retail

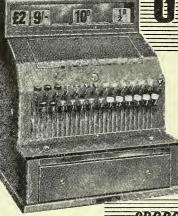
IZAL INTERLEAVED PACKS

138/- per gross plus P.T. - 1/7d. Retail

These price increases are due entirely to substantial and repeated increases in raw material costs, due to the disturbed world economic situation, and they have been made only when further postponement is impossible. In the past twelve months the price of toilet tissue for Izal Rolls has risen by approximately 75% and is now seven times that of pre-war. To this great increase must be added purchase tax which now accounts for 4d. on every Izal Roll. Lower prices will be restored immediately raw material costs permit, and in the meantime dealers are thanked for their constant support.

NEWTON, CHAMBERS & COMPANY LIMITED
THORNCLIFFE, NEAR SHEFFIELD

11.055 the name that



This all British register gives complete efficiency with simplicity of operation.

Its finish is superb yet its price is very competitive. Hire purchase facilities are available.

The Gross Cash Register carries a five year guarantee with free regular service.

There are accredited Gross Agents throughout the British Isles.

Write for illustrated brochure to:

GROSS CASH REGISTERS TO

140 MARYLEBONE RD. LONDON NEW H

PHONE: WELBECK 3022



Let us help you to solve your sunglass problems for the coming season by sending you details of the comprehensive range of beautiful sunglasses we have available, in all shapes, sizes, colours, and materials to suit all pockets. Write now to . . .

beautiful SUNGLASS STYLES for 1951

Whitecross



OPTICAL COMPANY, LTD.

55, WHITECROSS ST., LONDON, E.C.1

Telephone: MONarch 0114-5

WHOLESALE and EXPORT ONLY

BONUS OFFER!

"SIOGEN"

Dragees



FOR THE TREATMENT OF INFECTIONS OF THE MOUTH AND THROAT; PARTICULARLY SUITABLE FOR CHILDREN

For a limited period the cartons of 20 dragees may be purchased on 13 TO THE DOZEN TERMS, yielding a PROFIT of almost 10d per unit or 40%

Cartons of 20 dragees. Retail 2/6 (inc. tax). 16/- per doz. + tax Bottles of 100 dragees. Retail 9/2 (inc. tax). 60/- per doz. + tax Bottles of 1000 dragees. 25/- each net. - - - plus 8/4 tax

> Messrs. WALTER CROWE Ltd. are our Selling Agents to the Trade, and orders may be placed with their Representatives.

Orders sent by post should be addressed to:



PHARMACEUTICAL LABORATORIES GEIGY LIMITED NATIONAL BUILDINGS, PARSONAGE, MANCHESTER 3

Phone: Medical Specialities Dept. MIDdleton 3933



Thortast

Thorpholis

Floropholis

Florophol

FLEXIBLE DRESSINGS

IN POCKET SIZE **TINS**

Medium and Large

Flexoplast Dressing is also available in the new hygienic cartons. Size $l\frac{1}{2}'' \times l$ yard and $2\frac{1}{2}'' \times l$ yard.

Hexoplast

FIRST-AID DRESSINGS

OBTAINABLE FROM YOUR USUAL WHOLESALE SUPPLIER

EDWARD TAYLOR LTD., MONTON, LANCS.

Established over 100 years

Haroplast Hardy

TF106



Cresantol 3

PCMX (Chloroxylenol B.P.)

Cresantol 15

(Chlorinated Xylenols)

PCMC

(Chlorocresol B.P.)

MONSANTO PHARMACEUTICALS INCLUDE:

ASPIRIN B.P.: ASPIRGRAN: PHENACETIN B.P.:

SALICYLIC ACID B.P.: SALICYLIC ACID, TECHNICAL:

SODIUM SALICYLATE B.P.: METHYL SALICYLATE B.P.

PHENOLPHTHALEIN B.P., VANILLIN:

PHENOL B.P.: CRESOL B.P.





Empty Stergene Bottles

Push Profits Up!

Every empty Stergene bottle you collect qualifies for the special Handling Allowance recently introduced. Each empty Stergene bottle, therefore, can mean *extra* profit per bottle sold. Please ask your customers to return an empty Stergene bottle whenever they buy a new one—make the most of the Stergene bottle bonus.

AT YOUR SERVICE



Domestos Ltd. service ensures regular delivery of Domestos and regular collection of all empty bottles. Sterce in CLEANSING

A PRODUCT OF DOMESTOS LIMITED, NEWCASTLE UPON TYNE, 6.





UNITED GLASS BOTTLE MANUFACTURERS LTD.

LEICESTER STREET, W.C.2

Tel: GERRARD 86II (18 Lines) Grams: UNGLABOMAN, LESQUARE, LONDON



Medical and Pharmaceutical GLASS CONTAINERS

OF QUALITY-WITH SERVICE BEHIND THEM

DISPENSING BOTTLES

1-oz. to 20-oz. Plain-Cork Mouth or Screw. Graduated-Cork Mouth only.

RIBBED OVALS

Cork Mouth or Screw.

VIALS

 $\frac{1}{2}$ -oz. 1-oz. $1\frac{1}{2}$ -oz. 2-oz. & 3-oz. Medium or Tall.

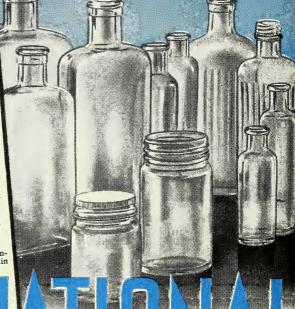
TABLET BOTTLES

Nos. 1 to 7½ sizes.
ROUND SCREW

1-oz., 1-oz., 2-oz., 4-oz. Also Round Squat Screw Jars 11-oz., 21-oz., and 4 oz. SCREW CAPS

Black Bakelite, White Enamelled Tinplate and Satin Finish Aluminium.

WHOLESALE ONLY



NATIONAL GLASS WORKS (YORK) LTD.

MARK Fishergate, YORK Tel.: YORK 3021 105 Hatton Garden, LONDON, E.C.1 Tel.: HOLBORN 2146 THE



- Made of high grade cellulose
- Soft velvety texture
- Highly absorbent
- Can easily be cleaned by boiling
- Strong and resilient

DOES EVERYTHING
A SPONGE DOES
BETTER

2/9
INCLUDING

TAX

Distributors to the Chemists' Trade

FASSETT & JOHNSON LTD.

86 CLERKENWELL ROAD, LONDON, E.C.I, also at 139 BATH STREET, GLASGOW, C.2

MACWILL & COMPANY LTD., 7 WEST ROAD, KINGSTON-ON-THAMES

The BARTLETT SERIES

0F

The Perfect Manicure
Pencil for Whitening
the Nails

also

THE BARTLETT SERIES

of the

Perfect Eyebrow Pencil in Black, Brown and Dark Brown

4/- dozen plus Purchase Tax Fixed price to public 10d. each

ORDER FROM
YOUR USUAL WHOLESALER

Wholesale enquiries to:

ALFRED FRANKS & BARTLETT

CO., LTD

AUDREY HOUSE, ELY PLACE, LONDON, E.C.I



The Sun Has Risen

This time, however, there will be no sunset, for the sun to which we refer is the "Lido Indoor Sun," which never sets. It is available for indoor sun-ray treatment day and night, summer and winter, at the touch of a switch. With "Lido," some of the most difficult problems concerning domestic sun-ray treatment have been solved. What are they?

EFFICIENCY "Lido" proices sun-tan at one yard's distce by a treatment of one to two inutes. (Variation due to skin asitivity.)

SIZE "Lido" is built in the rm of an attache case with dechable flex; the size of the case $12'' \times 7\frac{1}{7}'' \times 3''$.

WEIGHT" Lido" weighs only lbs. and has a handle for easy rtability.

COST The price of the "Lido" £10 3s. 0d., plus £2 9s. 0d. rchase tax. An attractive display x and one pair of goggles is cluded.

CURRENT CONSUMPTION is is 300 watts: half of this ittage feeds a Radiant Heat Infra d Element, which radiates simulaeously with the Ultra Violet liation.



"Lido" is a pleasure to sell. Being small and light, it can comfortably be carried home in the shopping bag. No special installation is needed; it is easily sold over the counter.

Please write for particulars to:—

MOUNTSUN LIMITED

EST MALL WORKS · RABBIT ROW · W.8

Telephone: PARK 4296



PENTECON · PENTECON · PENTECON

the advantages of the PENTECON

Autoclave THERMOSTATIC CONTROL

The thermostat, independent of the pressure factor is the most accurate means of obtaining a consistent temperature. Designed for use over a gas ring or portable burner, it is constantly in control, after initial adjustment to suit the requirements.

Made from a special formula aluminium, the 'Pentecon' is light and handy to move about.

Pentecon is light and nandy to move about. The lid design provides a steam-tight joint, which cannot be opened under pressure. To use saturated steam, allowing operation at lower pressure in relation to temperature, an Air Blow-off Valve is fitted. A Pressure Regulator Valve whitelease when the required temperate lator Valve whistles when the required temperature is reached.

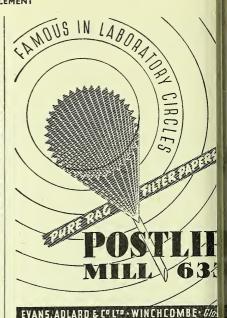
The temperature of a liquid in an open vessel within the 'Pentecon' can be checked by pre-

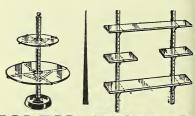
viously inserting a chemical thermometer through a gland in the lid. CAPACITY—II x 10½". Contents approx. 26 pints or seven 20 oz., or M.R.C. Standard pints or seve

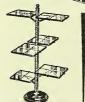
The 'Pentecon' is economical in price and operating costs. Price (excluding gas ring and flexible tubing, which are not £16.16.0 supplied)

A fully descriptive leaflet will be sent, post free, on request to Dept. 3, Pentecon, Ltd., Accrington. Please mention the name and address of your normal supplier.

Joseph Sankey and Sons Ltd., Albert Street Works, Bilston Staffordshire.







window display is often chang becomes a constant sou of interest to the publ HOKON display equipmenables you to change yo window display regula with very little effort to very great effect. The height, layout

general appearance can altered in a few mome.

and your goods brought to the public eye in attractive and interesting way.

CHURCH & CO. (Fittings) LTI

16 The Oracle, Minster Street, Reading

The National

ENEW METRODS

Packaging

IN OBERN MACHINERY

Exhibition

BERTERSTESICS

THE EMPIRE HALL (Mobile Drum Making Factory)

THE EMPIRE HALL (Mobile Drum Making Factory)

TUE. JAN 30¹⁴ to FRI. FEB 9TM

TUE. JAN 30¹⁴ to FRI. FEB 9TM

Organised by Provincial Exhibitions Ltd. in association with F. W. Bridges & Sons Ltd.

ADMISSION 2/6

Special rates for parties of 12 or more. Apply to F. W. Bridges & Sons Ltd., Grand Buildings, Trafalgar Sq., London, W.C.2

OPEN DAILY 10.30 a.m. to 7 p.m.

THE better packaging of products has become a matter of international importance, an essential factor in home and export markets which none can afford to ignore. The National Packaging Exhibition provides a fully comprehensive display of the newest machinery, methods, materials and designs contributed by over 150 of the leading firms in the Packaging Industry. In the Empire Hall, you will see metal drum making from beginning to end. This Exhibition is of vital interest to all engaged in the marketing and selling of merchandise.



IN COLLABORATION WITH

THE INSTITUTE OF PACKAGING



that the pack
makes the product,

you should let

Petrushkin

make the

pack

M. PETRUSHKIN LIMITED. Established 1894 Cardboard Box Manufacturers and Printers. 183 BOW ROAD, LONDON, E.3 • Advance \$181-5

Kaycee



HYPODERMIC SYRING

WHOLESALE AND EXPORT ONLY
Illustrated Folder and Price List on appli-

Manufactured by

KENNETH CASTIGLIONE LTD.
Quadrant Works, Manor Park Crescent, Ed.
Middlesex, England, Tel.: EDGware 1636

ALL EXPORT ENQUIRIES TO :

KAYCEE HYPODERMIC SYRINGES I Quadrant Works, Manor Park Crescent, Ed Middlesex, England. Tel.: EDGware 1636 Cables: KAYCEE, EDGWARE, ENGLAND



AGITATOR - EMULSIFIE

All Stainless Steel Contact with Fluid

Built-in Control gives speed variation between 20 and 2000 r.p.m.

Also larger models. SL-I for vessels up to 5 galls. and S.C. for vessels up to 500 galls.

> MMEDIATE DELIVERY

FLUID EQUIPMENT CO. LTD (Dept. S.D.) 83 Seafield Road, London, N.I Phone: ENT 2565



AUGUST-SIMPSON

AUGUST-SIMPSON MIX-MULLE

for 100 needs

For all types of mixing problems in the Chemical Industry handling dry, semi-plastic and pasty materials, here is specialist equipment to meet your specific requirements.

GUST-SIMPSON MIX-MULLERS N BE SUPPLIED:-

- in capacity ranges from 1/10 cu. ft. to over 20 cu. ft. per batch.
- corrosion resistant material.
- with different weights of mullers.
- with heating and cooling iackets.
- with vacuum attachment, dust cover, etc.
- automatic loading and discharging devices.

WITH YOUR ENQUIRIES CONCERNING YOUR SPECIFIC MIXING PROBLEMS

Please state :-

- (1) Type of material.
- (2) Consistency.
- (3) Weight per cubic foot.
- Percentage moisture required in finished batch, (4)
- (5) Degree of abrasiveness corrosiveness. and/or
- (6) Production requirements per batch or per hour.



The AUGUST-SIMPSON MIX-MULLER Model 00 for laboratory or pilot plant work—capacity † cu. ft. per batch. Mechanical discharge, this model is fitted with a Three-Speed Drive.

> Sole Licensees and Manufacturers of the Simpson Mix-Muller for British Empire (exluding Canada) and Continental Europe.

ALIFAX ENGLAND

Telephone: Halifax 61247/8/9 Telegrams: Augusts, Halifax.



There's no question about it. BOX'S PILLS have been widely used as an Indigestion remedy for over 60 years. Mounting sales are bringing more profits to retailers.



RECOMMENDED FOR NERVES

DR. NIBLETT'S
VITAL RENEWER
NERVE SEDATIVE

70 YEARS
Retail price
6/per bottle
in cluding

TRADE DISCOUNT 331%

C. P. NIBLETT (Est. 1870)

10 LICHFIELD TERRACE, RICHMOND, SURREY

Telephone: RIChmond 3221

Senna

FROM OUR
OWN GROWERS
Pods, Leaves, Siftin
John Ronaldson & Co. Ltd.
110 Cannon St., London, E.C.4 Phone: MANsion Hse I:

GARTONS & BOXES

PRINTED ON PLAIN
OF EVERY KIND, FOR EVERY PURPOSE
CARTON BOX & PRINTING COLTO
BRINKSWAY, STOCKPORT

RESILETIN

18, 36, 72 & 1" TABLETS

for ASTHMA, BRONCHITIS, EMPHYSEMA
Please order through your Wholesaler

TRANSPARENT BOXE

Resuffin Ltd., 7 Pall Mail, Manchester 2

PRE-PACKING & LABELLING
(We can now accept fresh orders)
LIQUIDS: From Bulk into any size bottle

from 1 oz.

POWDERS & Mixed and packed to customers
TABLETS: Specifications.
J. H. WISEMAN & CO. LTD.
100 Blackstock Rd., Finsbury Pk., N.4 Canonbury 58

CANISTERS LTD



invite inquiries for
SPIRALLY WOUND
CARDBOARD TUBE!

POSTAL TUBES AND TOILET ROLL CENTRES also COMPOSITE DRUMS

Heywood, Nr. Mancheste

CALL IN THE EXPERTS!

The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now?

GEORGE PORTEUS & SONS (Leeds) LTD

Provender Milling Specialists

LEEDS BRIDGE WORKS, LEEDS 10



ADDITION TO THE WORLD RENOWNED 6 - POINT LABELLER THERE ARE



LABELLERS

Model C)

Gums labels completely

Powder Boxes, Cartons and other flat surfaces.

We are exhibiting on Stand No. 1. row E, at the 2nd National Packaging Exhibition, National Hall, Olympia, London. Jan. 30th to Feb. 9th, 1951

Nº2 (Model B)

Bully Automatic

abels cylindrical objects, bottles, ubes, crayons, ampules, batteries, tc. 3"-13" diam. completely round, r with a gap or overlap.

TRAPOW & CO. LTD. **ENGINEERS**

(Dept. I) II3 Regent's Park Rd., Chalk Farm, London, N.W.I Phone: PRI 6688



Higher Thermal Efficiency means HIGHER sales

VACCO vacuum flasks and vacuum jars have Higher Thermal Efficiency—a vital benefit that reduces temperature change to a minimum.

The Model S.C. flask is of I pint capacity and of pleasing design with a quality finish in durable enamel.

The VACCO jar Model J. 101 has a $3\frac{1}{2}''$ wide mouth and a capacity of more than 2 pints. The canister is stove enamelled in green, blue or red, with an attractive crackle finish, and is fitted with a sturdy polished aluminium handle.



MADE IN ENGLAND

Enquiries to: VACCO SALES LTD., Grosvenor Gardens House, Grosvenor Gardens, London, S.W.I.





Lastonet for inconspicuous supp

No Inc

Measurement forms and full details from the makers:—

LASTONET PRODUCTS LTD.
Carn Brea, Redruth
Cornwall
Now supplied with Medical

BESORBON Kemsales Ltd., 20 Eastcheap, London, E.C

CONTINENTAL LABORATORIES LTD.

Regret to announce price increases to be effective for the following packings invoiced by them on and after FEBRUARY 1st, 1951.

	RETAIL PRICES per unit including P.T.	TRADE I Per doz.		
CAROVIT tablets 100's	4/3½	29/-	9/4	
CODOFORME BOTOL	$\frac{1}{2}$	27/-	7/7	
tablets 20's	$4/4\frac{1}{2}$	31/6	10/2	
LACTOBYL	4/21	20/	0/4	
tablets 50's tablets 500's	4/3½ 36/6	29/ 242/	9/4 77 /8	
TAXOL		·	·	
tablets 50's	$4/3\frac{1}{2}$	29/-	9/4	
tablets 100's	7/8	52/3	16/9	
URALYSOL				
granules 3 oz.	5/	36/	11/7	
VEINOTROPE				
tablets 42's (Male or Fem	ale) 5/7	40/6	13/-	

The prices of all tax free dispensing packs of the above products remain UNCHANGED as do the prices of all packs of our other preparations.

- YOUR PRESENT PROFIT MARGINS ARE MAINTAINED

CONTINENTAL LABORATORIES LTD

101 GREAT RUSSELL STREET, LONDON, W.C.1

Telegrams: "Taxolabs, Phone, London" Telephone: MUSeum 2042/3



CUTICURA PREPARATIONS

(MEDICINAL AND TOILET)

SOAP - OINTMENT

TALCUM POWDER . SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

HAND CREAM - BABY OIL
SHAVING CREAM - LIQUID ANTISEPTIC
AFTER-SHAVE LOTION

British Distributors: NEWBERY & PHILLIPS LTD.

203, Victoria House, Southampton Row, London, W.C.1

THE POTTER DRUG & CHEMICAL CORPORATION

205-207, Victoria House, London, W.C.1

AEROMATT

CITRIC ACID

CITRIC ACID ANHYDROUS

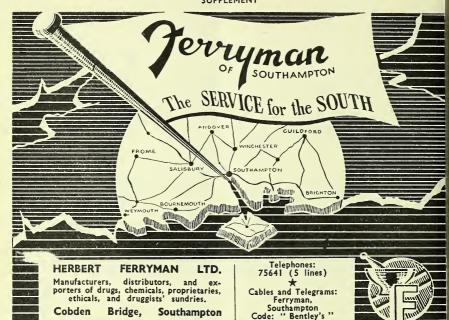
PRECIPITATED CALCIUM
CARBONATE

SODIUM POTASSIUM TARTRATE

POTASSIUM BICARBONATE

JOHN & E. STURGE LTD.

I WHEELEYS ROAD . BIRMINGHAM 15



SimpkinS

MEDICATED PASTILLES

-your customers most popular choice



In 4 lb. decorated tins-

- * T.C.L. (Throat, Chest and Lung)
- * Bronchial (containing Menthol and Friars Balsam
- ★ Antiseptic Fruit (flavoured)
- * Antiseptic Glucose Blackcurrant
- -and, of course, the kiddies' own
- * "Dilly Duckling"

NOW-more than ever-

see that your stocks are adequate
A. L. SIMPKIN & CO. LTD.

Pharmaceutical Laboratories, SHEFFIELD, 6



-and 2 lb. jars

How SANATOGEN winter sales build your year-round business

NE out of every four people introduced to 'Sanatogen' becomes a steady user, week in and week out, according to a recent independent survey.

Thus the 'Sanatogen' sales that you make this winter for specific complaints will *continue* to bring you sales, building *year-long* 'Sanatogen' business — in addition to all the usual sales where

customers buy for special conditions. The same survey shows that 50% of those taking 'Sanatogen' do so on recommendation, proving how widely 'Sanatogen' is recognised as best for building up resistance to winter illness.

There is a generous profit from every 'Sanatogen' sale. Make sure you get your share by displaying 'Sanatogen' on your counter.

'Sanatogen' is available in three sizes:

Retail Price (inc. tax)												Trade Price	
4 oz.							5/6	•			•		. 40/- doz.
8 oz.							10/6						. 76/3 doz.
2 lb.							37/7						22/10 each

Subject to 10% display and co-operation discount on parcels value £10 or over.

* 'Sanatogen' builds up winter resistance best

★ 'Sanatogen' makes continuous users of 1 out of 4 who try it

GENATOSAN DIVISION, LOUGHBOROUGH, LEICS.

Telephone: Loughborough 2292





NEW BOOST for 'HENNAFOAM' and 'FACIAL YOUTH'

In Big-circulation National Daily and Sunday newspapers-new-style advertising featuring these

Cooltan weather will soon arrive -but will YOUR STOCKS? (Order early

and play safe!)

two famous ducts. 'Hennafoam' the shampoo that really does give the results a woman wants . . . 'Facial Youth', the effective beauty cream for the mature woman. Now in every wellstocked shop.

K.C. (ENG) LTD.

pro-

Each ounce contains a natural Vitamin B potency equiva-lent to that of 25 mgm. Aneurin Hydrochloride, 1.4 mgm. of Riboflavin, and 8.0 mgm. Nicotinic Acid. Each Tablet contains 100 LU.

(approx.) Vitamin B₁.

100 TABLETS 3s. 9d.

50 TABLETS 2s. 3d. THE DISTILLERS CO., LTD. EDINBURGH.

> Feet Plaisters & Powders. popular remedy gains news successes weekly. Wide-spi advertising assures cons demand. Have you got sto Retail prices:- Plaisters! Powders 1 d. Comb. Pack HOBSON TRIMBI UNION HOUSE, LEEDS



MODERN PLANT · PROMPT DELIVERY **OUALITY AND ACCURACY GUARANTEED**

B.P., B.P.C. & N.F. tablets stocked

G.O. WOODWARD & CO.LTC 146 LARKHALL LANE . CLAPHAM . LONDON . S.W.

Cooltan Laboratories, Hampton, Middx,

Y YEARS OF PROGRESS



half a century we have specialised in birth control requirements. Today Rendells Contraceptives comprise a range conforming to the standard of efficacy required by the Family Planning Association, and are famous in all parts of the world.

Ever increasing exports enable us to take our share in the development of overseas markets, and to cope with this demand our factory



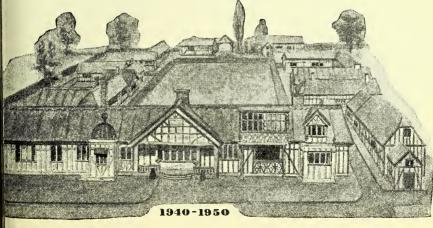
1924 - 1950

1900-1924 recently been enlarged and installed with new machinery of the most modern type. e 1940 all Rendells Products have been manufactured in our country factory at eford, near Hitchin, but owing to building restrictions it has been necessary to retain London premises at 161-5, Rosebery Avenue, London, E.C.1. Extensive additional pmmodation has now been provided at Hitchin, and from today's date the Company's es and other administrative departments are transferred from London.

ease note new address:

W. J. RENDELL LIMITED ICKLEFORD MANOR . HITCHIN

Telephone No.: Hitchin 611





for that English complexion which is the admiration of the world

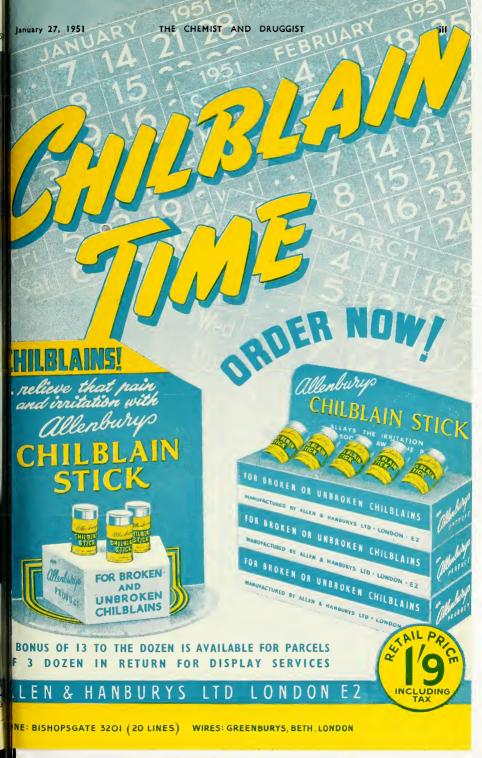
us Drance

A CHOICE OF SIX EXQUISITE
PERFUMES. IN SIX PASTEL SHADES

Bouquet · Magnolia · Bonbon · Jade · Honeysuckle · Sandalwood

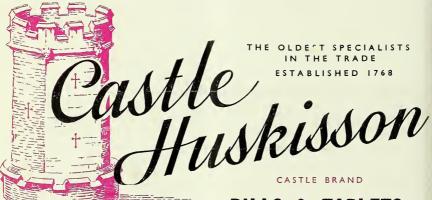
THREE OZ. TABLET 1/3 (10/- DOZ. INC. TAX). SIX OZ. TABLET 2/6 (20/- DOZ. INC. T

Harry Green Ltd., Ajax Works, Barking.



JANUARY 27, 1951





Our up-to-date equipment enables us to quote the lowest possible prices. All standard official and semi-official products promptly supplied.

PILLS & TABLETS

CAPSULES

GALENICALS

OINTMENTS, ETC.

Customers' own formulæ are our speciality

BULK OR PACKED . . . HOME & EXPORT

CASTLE HUSKISSON LT SWINTON WORKS, MOON ST.